



INVITATION TO BID
KEYSTONE STAIRS REHABILITATION
(CDBG #108-24)

Date Offered: October 16, 2024

Closing Date & Time: November 18, 2024 at 2:00 p.m.

Contact Person: Angela Gotto, Administrative & Special Projects Coordinator: Central Arizona Governments, agotto@cagaz.org

Town of Miami
500 W. Sullivan Street
Miami, AZ 85539



**KEYSTONE STAIRS REHABILITATION
CDBG CONTRACT #108-24**

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KEYSTONE STAIRS PROJECT TECHNICAL SPECIFICATIONS AND ENGINEERING DOCUMENTS ARE IN APPENDIX A AND ARE COMPRISED OF 44 PAGES, BEGINNING ON PAGE 63, INCLUDING DESIGN AND ENGINEERING PLANS.

**TOWN OF MIAMI INVITATION TO BID
KEYSTONE STAIRS REHABILITATION
CDBG # 108-24**

The Town of Miami (Grantee) has been awarded a federal Community Development Block Grant (CDBG) through the Arizona Department of Housing for the Keystone Stairs Rehabilitation project. The Town will accept bids from qualified firms registered with the Arizona Registrar of Contractors to perform the following services:

CDBG funds will be used for construction services including concrete staircase renovation, concrete staircase construction, concrete walkway renovation, concrete walkway construction, curb and gutter construction, retaining wall construction, and associated miscellaneous construction work, all part of the Keystone Stairs Rehabilitation project.

Plans and specifications may be obtained beginning **October 16, 2024** from:

Angela Gotto, Central Arizona Governments (CAG), 2540 W. Apache Trail, Suite 108, Apache Junction, AZ 85120; by phone at (480) 474-9300, email at agotto@cagaz.org, on the CAG website at www.cagaz.org.

All bids must be on a unit-price basis. Segregated bids will not be accepted.

Bids must be sealed, labeled "Keystone Stairs Rehabilitation", and delivered to the Town of Miami, ATTN: Karen Norris, 500 W. Sullivan Street, Miami, AZ 85539, no later than **2: 00 p.m. on November 18, 2024**. Faxes are not acceptable. Late bids will be returned unopened.

Minority, woman-owned and disadvantaged businesses are encouraged to submit. Grantee may waive informalities in the bids, may negotiate with any and all bidders, and may reject all bids if it is deemed in the best interest of Grantee.

**TOWN OF MIAMI INVITATION TO BID
KEYSTONE STAIRS REHABILITATION**

The Town of Miami, hereinafter also referred to as “Town”, through a federal COMMUNITY DEVELOPMENT BLOCK GRANT (CDBG) from the Arizona Department of Housing, will accept bids from qualified firms or individuals registered with the Arizona Registrar of Contractors to perform the following services:

PROJECT DESCRIPTION

CDBG funds will be used for the following construction services: concrete staircase renovation, concrete staircase construction, concrete walkway renovation, concrete walkway construction, curb and gutter construction, retaining wall construction, and associated and miscellaneous construction work, all part of the **Keystone Stairs Rehabilitation Project (see project technical specifications in Appendix A of the Invitation to Bid for detailed information).**

SCOPE OF WORK

The Contractor shall furnish all materials, labor, equipment, services, transportation, and perform all the work for the project known as Keystone Stairs Rehabilitation as called for in the Technical Specifications and as shown on the Plans (Construction Drawings) in Appendix A. The successful Bidder will be required to lend all possible assistance in the preparation, investigation, and documentation necessary for compliance with all applicable Davis Bacon/Federal Labor Standards, and other requirements of the Arizona Department of Housing, CDBG Program. The successful Bidder should be prepared to comply with all local, state, and federal safety and environmental requirements. The project shall be accomplished in accordance with all federal program and state statutory requirements to include 2 CFR 200, Executive Orders, and Administrative Rules and Regulations.

Construction contractors are required to have a DUNs number and to be registered and current in the federal SAM (System of Award Management) system. The websites for registration are: <http://fedgov.dnb.com/webform>; and <https://www.sam.gov/SAM/>

BIDS

To be considered, **one (1) original and two (2) copies** of the bid proposal must be provided in accordance with the Instructions to Bidders included in this Invitation to Bid.

Bids must be sealed, labeled “Keystone Stairs Rehabilitation”, and delivered to Town of Miami, ATTN: Karen Norris, 500 W. Sullivan Street, Miami, AZ 85539 until 2:00 p.m. on November 14, 2024. Bids will be opened immediately following the submission deadline and total amounts will be read aloud. Failure of the Bidder to complete all the bid documents may result in rejection of the bid.

| IMPORTANT DATES (Dates may be subject to change. All times are in Arizona Time.) | |
|---|---|
| ACTIVITY | DATE/TIME |
| Bid Packet Release/Advertisement | Wednesday, October 16, 2024 |
| Pre-Bid Meeting (Non-Mandatory – Meet at Town Hall) | Tuesday, October 29, 2024 at 10:00 a.m. |
| Deadline for Questions | Thursday, November 7, 2024 at 5:00 p.m. |
| Deadline to Submit Bids | Monday, November 18, 2024 at 2:00 p.m. |
| Construction Period | 45 Calendar days |
| Construction Complete | Friday, January 31, 2025 |

A bid security in the form of a certified check, cashier's check, or bid bond in the **amount of 5% of the bid** shall accompany each bid. Bonding companies issuing acceptable bonds in conjunction with this project must hold a certification of authority to transact surety business in Arizona as issued by the Director of the Department of Insurance. All bid security shall be made payable, without condition, to the Town of Miami. Said bid security shall be considered liquidated damages and shall be forfeited to the Town in the event the proposal is accepted, and the successful Bidder fails to execute the Contract and furnish the required bonds within ten (10) working days after the notice of bid award.

The project shall be accomplished in accordance with all federal program and state statutory requirements to include Executive Orders, Administrative Rules and Regulations.

If information of a material matter is provided in response to any correspondence or question, or if a clarification is issued by the engineer or Town, a copy of the question and answer will be provided to all prospective Bidders who have requested a set of plans. This response shall serve as an addendum to the advertised call for bids and become part of the Town's approved plans.

Bidding documents will be available **Wednesday, October 16, 2024** and may be obtained from Angela Gotto at CAG, (480) 474-9300, agotto@cagaz.org, on the CAG website at www.cagaz.org.

Correspondence, questions, and/or clarifications of the bidding procedure or concerning the plans/specifications should be directed to: Angela Gotto, CAG, 2540 W. Apache Trail, Suite 108, Apache Junction, Arizona 85120, (480) 474-9300, agotto@cagaz.org.

The Town reserves the right to accept the lowest, responsible bid; to consider alternatives; to reject any or all bids; and to waive irregularities or information in any bid. Bids received after the specified time of closing will be returned unopened. The Town also reserves the right to hold any or all bids for a period of thirty (30) days after the date of opening. Bidders will not be allowed to withdraw submitted bids during the thirty (30) day period.

INSTRUCTIONS TO BIDDERS

Bidders are requested to keep the narrative portion of their proposal (responses to Contractor's Qualification Statement) to no more than five (5) pages. The proposal is to contain all the information listed and in the order listed on the proposal cover sheet, which is included in this section. Submit one original and two copies of the proposal which shall be sealed and filed at the time and place indicated in the Invitation to Bid. Bidders must adhere to the following:

1. Amendments, Addenda, Revisions and other changes will be available from Angela Gotto, CAG, 2540 W. Apache Trail, Suite 108, Apache Junction, Arizona 85120, (480) 474-9300, agotto@cagaz.org. Register your interest in the project with Angela at the contact information above and you will be sent any updates.
2. Utilizing the form provided, complete the Contractor's Qualification Statement, being certain to include the following information:
 - a. Include information concerning the firm's experience in the past five years in the construction of facilities used by the public, specifically identifying projects funded with federal dollars subject to Davis-Bacon. List the most representative projects. Be certain to include information on how to contact the owner as these references will be verified during the scoring process.
 - b. Please identify the project team and submit short resumes of the key personnel.
 - c. Provide a list of current major project commitments by the firm.
3. Utilizing the form provided, identify subcontractors. No change of the subcontractors named therein will be made unless first approved in writing by Town.

4. Provide a timeframe for project completion in your own format.
5. Utilizing the form provided, submit the LS-2 Contractor's Certification Concerning Labor Standards and Prevailing Wage Requirements. This form is to be signed by the Bidder's owner or corporate officer.
6. Utilizing the form provided, submit the Certifications. This form is to be signed by the Bidder's owner or corporate officer.

Bid Security, Performance Bond, and Payment Bond

The bid guarantee shall be in the form of a certified or cashier's check, upon a solvent bank or a surety bond for **five (5%) percent of the bid** shall accompany each bid.

The Contractor will be required to provide a Performance Bond and Payment Bond, equal to one hundred (100%) percent of the Contract amount. No substitution or other form of bond will be allowed. Such bonds shall be executed solely by a surety company or companies holding a certificate of authority to transact surety business in the State of Arizona as issued by the Director of the Arizona Department of Insurance. Such bonds are not to be limited as to the time in which action may be instituted against the surety company. The bond(s) shall be made payable and acceptable to the Town and shall be written or countersigned by an authorized representative of the surety who is either a resident of the State of Arizona or whose principal office is maintained in this State, as required by law, and the bond(s) shall have attached thereto a certified copy of Power of Attorney of the signing official.

Insurance

The Contractor shall purchase and maintain, during the contract time, insurance as listed in the Contract. The Contractor will be required to provide evidence of such insurance prior to issuance of the Notice to Proceed in a form acceptable to the Town.

The certificate of insurance shall name as additional insureds Town of Miami and CAG. As required by law, the certificate of insurance shall be provided by an insurance carrier(s) authorized to do business in the State of Arizona or countersigned by an agent of the carrier authorized to do business in the State of Arizona.

Additionally, the Contractor will be required to purchase and maintain Worker's Compensation insurance, including occupational disease provisions, for all employees at the site of the project. In case any work is sublet, the Contractor shall require such Subcontractor similarly to provide Workers' Compensation Insurance, including occupational disease provisions, for all the latter's employees unless such employees are covered by the protection afforded by the Contractor.

- a. Worker's Compensation..... Statutory
- b. Protective Bodily Injury..... \$2,000,000 each occurrence and annual aggregate
- c. Personal Property..... \$2,000,000 each occurrence and annual aggregate
- d. Automobile Bodily Injury and
Property Damage..... \$2,000,000 each occurrence and annual aggregate

Award of the Contract

The Town reserves the right to reject any and all bids and to award the Contract to other than the low bidder with good cause. The Town further reserves the right to waive any informality or irregularities in the bidding process. Additionally, the Bidder recognizes the right of the Town to reject a bid if the bidder failed to furnish the data required by the bidding documents or if the bid is in any way incomplete or irregular.

Each bidder shall be prepared to provide evidence of his/her experience, qualification, and financial ability to carry out the terms of the Contract.

All bids shall remain firm for a period of ninety (90) calendar days after the date of the bid opening. Proposals may not be modified after submittal. Bidders may withdraw proposals at any time prior to bid opening. No proposal may be modified

or withdrawn after the bid opening except where the Award of the Contract has been delayed more than ninety-one (91) days.

The Contractor to whom the Contract is awarded will be required to execute the Contract and obtain the Performance Bond and Payment Bond within ten (10) calendar days from the date of receipt of the Notice of Award. The Notice of Award shall be accompanied by the necessary contract documents. In case of failure of the Bidder to execute the Contract, Town may consider the Bidder in default, in which case the Bid Bond accompanying the proposal shall become the property of Town.

Notwithstanding any delay in the preparation and execution of the formal Contract, each bidder shall be prepared to commence work within fifteen (15) days of receipt of the Notice to Proceed.

Protest Procedure

Bid protests shall be submitted in writing to: Angela Gotto, CAG, 2540 W. Apache Trail, Suite 108, Apache Junction, AZ 85120, and emailed to agotto@cagaz.org, within 72 hours of bid award notification. Protests must contain at a minimum the name, address and telephone number of the protester, the signature of the protester or its representative and evidence of authority to sign; a detailed statement of the legal and factual grounds of the protest including copies of relevant data; and the form of relief requested. Within three (3) business days of receipt, and after consultation with legal counsel, ADOH, the Project Manager, or others, the Town will respond to the protest. The Town reserves the right to reject any or all bids; to waive irregularities of information in any bid; and/or to take any steps determined prudent in order to resolve the protest.

BID SCHEDULE

Name of Contractor/Bidder: _____

| NO. | ITEM DESCRIPTION | QUANTITY | UNIT | UNIT PRICE | ITEM BID TOTAL |
|-----|---------------------------------------|----------|------|------------|----------------|
| 1 | STAIRCASE REPAIR & RESURFACING | 1,184 | SF | \$ | \$ |
| 2 | STAIRCASE B EXTENSION, 6 STAIRS | 1 | LS | \$ | \$ |
| 3 | STAIRCASE H EXTENSION, 5 STAIRS | 1 | LS | \$ | \$ |
| 4 | STAIRCASE L EXTENSION, 2 STAIRS | 1 | LS | \$ | \$ |
| 5 | STAIRCASE O REPLACEMENT, 11 STAIRS | 1 | LS | \$ | \$ |
| 6 | STAIRCASE CURB WALL CONSTRUCTION | 45 | LF | \$ | \$ |
| 7 | STAIRCASE REMOVAL, 5 STAIRS | 1 | LS | \$ | \$ |
| 8 | WALKWAY REPAIR & RESURFACING | 600 | SF | \$ | \$ |
| 9 | WALKWAY CONCRETE REMOVAL | 850 | SF | \$ | \$ |
| 10 | WALKWAY CONSTRUCTION | 800 | SF | \$ | \$ |
| 11 | WALKWAY CONSTRUCTION WITH CURB WALL | 290 | SF | \$ | \$ |
| 12 | WALKWAY CURB WALL CONSTRUCTION | 60 | LF | \$ | \$ |
| 13 | UNDERLYING VOID, FILL WITH CLSM | 10 | CY | \$ | \$ |
| 14 | ROLL CURB, 2" CURB HT, CONSTRUCTION | 48 | LF | \$ | \$ |
| 15 | SINGLE CURB, 8" CURB HT, CONSTRUCTION | 30 | LF | \$ | \$ |
| 16 | WOOD RETAINING WALL REMOVAL | 1 | LS | \$ | \$ |

| NO. | ITEM DESCRIPTION | QUANTITY | UNIT | UNIT PRICE | ITEM BID TOTAL |
|-------------------------|---|----------|------|------------|----------------|
| 17 | SEGMENTAL BLOCK WALL CONSTRUCTION | 17 | LF | \$ | \$ |
| 18 | DETECTABLE WARNING PANEL INSTALLATION | 30 | EA | \$ | \$ |
| 19 | ADJUST MANHOLE TO GRADE | 4 | EA | \$ | \$ |
| 20 | STRUCTURAL FILL | 1 | LS | \$ | \$ |
| 21 | STACKED CONCRETE RETAINING WALL EXTENSION | 12 | LF | \$ | \$ |
| 23 | TRAFFIC CONTROL | 1 | LS | \$ | \$ |
| 27 | MOBILIZATION | 1 | LS | \$ | \$ |
| TOTAL BID AMOUNT | | | | | \$ |

A. APPLICABILITY

The Project or Program to which the construction work covered by this Contract pertains is being assisted by the United States of America, and the following Federal Labor Standards Provisions are included in this Contract pursuant to the provisions applicable to such Federal assistance.

(1) MINIMUM WAGES

- (i) All laborers and mechanics employed or working upon the site of the work will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR Part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment, computed at rates not less than those contained in the wage determination of the Secretary of Labor (which is attached hereto and made a part hereof), regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. Contributions made or costs reasonably anticipated for bona fide fringe benefits under Section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of 29 CFR 5.5(a)(1)(iv); also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs, which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period.

Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, that the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under 29 CFR 5.5(a)(1)(ii) and the Davis-Bacon poster (WH1321)) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place, where it can be easily seen by the workers.

(ii) Additional Classifications.

- (A) Any class of laborers or mechanics which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. HUD shall approve an additional classification and wage rate and fringe benefits therefor only when the following criteria have been met:
- (1) The work to be performed by the classification requested is not performed by a classification in the wage determination;
 - (2) The classification is utilized in the area by the construction industry; and
 - (3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.
- (B) If the contractor, the laborers and mechanics to be employed in the classification (if known), or their representatives, and HUD or its designee agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), a report of the action taken shall be sent by HUD or its designee to the Administrator of the Wage and Hour Division ("Administrator"), Employment Standards Administration, U.S. Department of Labor, Washington, D.C. 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary. (Approved by the Office of Management and Budget ("OMB") under OMB control number 1235-0023.)
- (C) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, or HUD or its designee do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), HUD or its designee shall refer the questions, including the views of all interested parties and the recommendation of HUD or its designee, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary. (Approved by the Office of Management and Budget under OMB Control Number 1235-0023.)

(D) The wage rate (including fringe benefits, where appropriate) determined pursuant to subparagraphs (1)(ii)(B) or (C) of this paragraph, shall be paid to all workers performing work in the classification under this Contract from the first day on which work is performed in the classification.

(iii) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

(iv) If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, Provided, that the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program. (Approved by the Office of Management and Budget under OMB Control Number 1235-0023.)

(2) **Withholding.** HUD or its designee shall, upon its own action or upon written request of an authorized representative of the U.S. Department of Labor, withhold or cause to be withheld from the contractor under this contract or any other Federal contract with the same prime contractor, or any other Federally-assisted contract subject to Davis-Bacon prevailing wage requirements which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee or helper, employed or working on the site of the work, all or part of the wages required by the contract, HUD or its designee may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased. HUD or its designee may, after written notice to the contractor, disburse such amounts withheld for and on account of the contractor or subcontractor to the respective employees to whom they are due. The U.S. Department of Labor shall make such disbursements in the case of direct Davis-Bacon Act contracts.

(3) **Payrolls and basic records.**

(i) **Maintaining Payroll Records.** Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification(s), hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in Section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made, and actual wages paid.

Whenever the Secretary of Labor has found, under 29 CFR 5.5(a)(1)(iv), that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in Section 1(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits.

Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs. (Approved by the Office of Management and Budget under OMB Control Numbers 1235-0023 and 1215-0018)

(ii) **Certified Payroll Reports.**

(A) The contractor shall submit weekly, for each week in which any contract work is performed, a copy of all payrolls to HUD or its designee if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit the payrolls to the applicant sponsor, or owner, as the case may be, for transmission to HUD or its designee. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead, the payrolls only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <https://www.dol.gov/agencies/whd/forms> or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors.

Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to HUD or its designee if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit the payrolls to the applicant sponsor, or owner, as the case may be, for transmission to HUD or its designee, the contractor, or the Wage and Hour Division of the U.S. Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this subparagraph for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to HUD or its designee. (Approved by the Office of Management and Budget under OMB Control Number 1235-0008.)

- (B)** Each payroll submitted shall be accompanied by a “Statement of Compliance,” signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:
- (1)** That the payroll for the payroll period contains the information required to be provided under 29 CFR 5.5(a)(3)(ii), the appropriate information is being maintained under 29 CFR 5.5(a)(3)(i), and that such information is correct and complete;
 - (2)** That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in 29 CFR Part 3;
 - (3)** That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract; and
- (C)** The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the “Statement of Compliance” required by subparagraph (a)(3)(ii)(b).
- (D)** The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under Section 1001 of Title 18 and Section 3729 of Title 31 of the United States Code.

(iii) The contractor or subcontractor shall make the records required under subparagraph (a)(3)(i) available for inspection, copying, or transcription by authorized representatives of HUD or its designee or the U.S. Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, HUD or its designee may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

(4) Apprentices and Trainees.

(i) Apprentices. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency (where appropriate), to be eligible for probationary employment as an apprentice.

The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman’s hourly rate) specified in the contractor’s or subcontractor’s registered program shall be observed.

Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice’s level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program.

If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringe benefits shall be paid in accordance with that determination. In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

- (ii) **Trainees.** Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed, unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.

In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

- (iii) **Equal employment opportunity.** The utilization of apprentices, trainees, and journeymen under 29 CFR Part 5 shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR Part 30.

- (5) **Compliance with Copeland Act requirements.** The contractor shall comply with the requirements of 29 CFR Part 3, which are incorporated by reference in this Contract.
- (6) **Subcontracts.** The contractor or subcontractor will insert in any subcontracts the clauses contained in subparagraphs (1) through (11) in this paragraph (a) and such other clauses as HUD or its designee may, by appropriate instructions, require, and a copy of the applicable prevailing wage decision, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in this paragraph.
- (7) **Contract termination; debarment.** A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.
- (8) **Compliance with Davis-Bacon and Related Act Requirements.** All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR Parts 1, 3, and 5 are herein incorporated by reference in this Contract.
- (9) **Disputes concerning labor standards.** Disputes arising out of the labor standards provisions of this Contract shall not be subject to the general disputes clause of this Contract. Such disputes shall be resolved in accordance with the procedures of the U.S. Department of Labor set forth in 29 CFR Parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and HUD or its designee, the U.S. Department of Labor, or the employees or their representatives.
- (10) **Certification of Eligibility.**
- (i) By entering into this Contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of Section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1) or to be awarded HUD contracts or participate in HUD programs pursuant to 24 CFR Part 24.

(ii) No part of this Contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of Section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1) or to be awarded HUD contracts or participate in HUD programs pursuant to 24 CFR Part 24.

(iii) Anyone who knowingly makes, presents, or submits a false, fictitious, or fraudulent statement, representation or certification is subject to criminal, civil and/or administrative sanctions, including fines, penalties, and imprisonment (e.g., 18 U.S.C. §§ 287, 1001, 1010, 1012; 31 U.S.C. §§ 3729, 3802).

(11) Complaints, Proceedings, or Testimony by Employees. No laborer or mechanic, to whom the wage, salary, or other labor standards provisions of this Contract are applicable, shall be discharged or in any other manner discriminated against by the contractor or any subcontractor because such employee has filed any complaint or instituted or caused to be instituted any proceeding or has testified or is about to testify in any proceeding under or relating to the labor standards applicable under this Contract to his employer.

B. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

The provisions of this paragraph (b) are applicable where the amount of the prime contract exceeds **\$100,000**. As used in this paragraph, the terms “laborers” and “mechanics” include watchmen and guards.

(1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work, which may require or involve the employment of laborers or mechanics, shall require or permit any such laborer or mechanic in any workweek in which the individual is employed on such work to work in excess of 40 hours in such workweek, unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of 40 hours in such workweek.

(2) Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in subparagraph B(1) of this paragraph, the contractor, and any subcontractor responsible therefor, shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory) for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in subparagraph B(1) of this paragraph, **in the sum set by the U.S. Department of Labor at 29 CFR 5.5(b)(2)** for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of 40 hours without payment of the overtime wages required by the clause set forth in subparagraph B(1) of this paragraph. In accordance with the Federal Civil Penalties Inflation Adjustment Act of 1990 (28 U.S.C. § 2461 Note), the DOL adjusts this civil monetary penalty for inflation no later than January 15 each year.

(3) Withholding for unpaid wages and liquidated damages. HUD or its designee shall, upon its own action or upon written request of an authorized representative of the U.S. Department of Labor, withhold or cause to be withheld from any moneys payable on account of work performed by the contractor or subcontractor under any such contract, or any other Federal contract with the same prime contract, or any other Federally-assisted contract subject to the Contract Work Hours and Safety Standards Act which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages, as provided in the clause set forth in subparagraph B(2) of this paragraph.

(4) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in subparagraph B(1) through (4) of this paragraph and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in subparagraphs B(1) through (4) of this paragraph.

C. HEALTH AND SAFETY

The provisions of this paragraph (c) are applicable where the amount of the prime contract exceeds **\$100,000**.

(1) No laborer or mechanic shall be required to work in surroundings or under working conditions which are unsanitary, hazardous, or dangerous to his or her health and safety, as determined under construction safety and health standards promulgated by the Secretary of Labor by regulation.

(2) The contractor shall comply with all regulations issued by the Secretary of Labor pursuant to 29 CFR Part 1926 and failure to comply may result in imposition of sanctions pursuant to the Contract Work Hours and Safety Standards Act, (Public Law 91-54, 83 Stat 96), 40 U.S.C. § 3701 et seq.

(3) The contractor shall include the provisions of this paragraph in every subcontract, so that such provisions will be binding on each subcontractor. The contractor shall take such action with respect to any subcontractor as the Secretary of Housing and Urban Development or the Secretary of Labor shall direct as a means of enforcing such provisions.

"General Decision Number: AZ20240009 08/30/2024

Superseded General Decision Number: AZ20230009

State: Arizona

Construction Type: Highway

Counties: Apache, Cochise, Gila, Graham, Greenlee, La Paz, Navajo and Santa Cruz Counties in Arizona.

HIGHWAY CONSTRUCTION PROJECTS

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

| | |
|--|---|
| <p>If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:</p> | <ul style="list-style-type: none"> . Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least \$17.20 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2024. |
| <p>If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:</p> | <ul style="list-style-type: none"> . Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least \$12.90 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2024. |

|_____||_____||

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <http://www.dol.gov/whd/govcontracts>.

| Modification Number | Publication Date |
|---------------------|------------------|
| 0 | 01/05/2024 |
| 1 | 01/19/2024 |
| 2 | 08/30/2024 |

CARP0408-007 07/01/2023

APACHE, COCHISE & SANTA CRUZ COUNTIES

| | Rates | Fringes |
|---|----------|---------|
| CARPENTER (Including Cement Form Work)..... | \$ 34.50 | 14.17 |

ENGI0428-004 06/01/2023

| | Rates | Fringes |
|---|----------|---------|
| POWER EQUIPMENT OPERATOR Oiler Driver..... | \$ 34.96 | 13.52 |

* IRON0075-006 08/01/2024

Apache, Cochise, Gila, Graham, Greenlee, La Paz, Navajo Counties

| | Rates | Fringes |
|------------------------|----------|---------|
| Ironworker, Rebar..... | \$ 33.00 | 18.91 |

- Zone 1: 0 to 50 miles from City Hall in Phoenix or Tucson
- Zone 2: 050 to 100 miles - Add \$4.00
- Zone 3: 100 to 150 miles - Add \$5.00
- Zone 4: 150 miles & over - Add \$6.50

* SUAZ2009-002 04/23/2009

| | Rates | Fringes |
|--|-------------|---------|
| CARPENTER | | |
| Gila, Graham, Greenlee, La Paz & Navajo..... | \$ 21.71 | 3.82 |
| CEMENT MASON..... | \$ 17.74 | 3.59 |
| ELECTRICIAN..... | \$ 24.43 | 5.38 |
| IRONWORKER, Rebar | | |
| Santa Cruz county..... | \$ 21.75 | 13.59 |
| LABORER | | |
| Asphalt Raker..... | \$ 14.97 ** | 5.88 |
| Concrete Worker..... | \$ 13.38 ** | 4.50 |
| Fence Builder..... | \$ 12.20 ** | 3.84 |
| Flagger..... | \$ 12.31 ** | 3.96 |
| General/Cleanup..... | \$ 12.78 ** | 2.50 |
| Guard Rail Installer..... | \$ 12.20 ** | 3.84 |
| Landscape Laborer..... | \$ 11.02 ** | |
| Water Blaster..... | \$ 14.90 ** | 2.90 |
| OPERATOR: Power Equipment | | |
| Backhoe < 1 cu yd..... | \$ 17.76 | 3.89 |
| Compactor Self Propelled (with blade-grade operation..) | \$ 22.53 | 6.57 |
| Compactor Small Self Propelled (with blade- backfill, ditch operation).. | \$ 22.29 | 6.31 |
| Concrete Pump..... | \$ 20.31 | 6.48 |
| Crane (under 15 tons)..... | \$ 22.98 | 4.26 |
| Drilling Machine (including wells)..... | \$ 21.79 | 4.10 |
| Grade Checker..... | \$ 23.41 | 6.54 |
| Hydrographic Seeder..... | \$ 19.73 | 5.40 |
| Mass Excavator..... | \$ 23.33 | 6.98 |
| Milling Machine/Rotomill.... | \$ 21.87 | 6.84 |
| Power Sweeper..... | \$ 19.33 | 4.85 |
| Roller (all types asphalt).. | \$ 17.46 | 5.58 |
| Roller (excluding asphalt).. | \$ 19.23 | 5.09 |
| Scraper (pneumatic tire).... | \$ 22.41 | 6.90 |
| Screed..... | \$ 20.90 | 6.72 |
| Skip Loader (all types 3 < 6 cu yd)..... | \$ 20.91 | 7.35 |
| Skip Loader (all types 6 < 10 cu yd)..... | \$ 22.24 | 6.83 |

| | | |
|--------------------------------------|----------|------|
| Skip Loader < 3 cu yd..... | \$ 17.97 | 6.60 |
| Tractor (dozer, pusher- all)..... | \$ 22.53 | 6.47 |
| Tractor (wheel type)..... | \$ 24.62 | 7.57 |

| | | |
|--------------|-------------|------|
| PAINTER..... | \$ 13.94 ** | 2.56 |
|--------------|-------------|------|

TRUCK DRIVER

| | | |
|--------------------------------------|-------------|------|
| 2 or 3 axle Dump or Flatrack..... | \$ 16.17 ** | 4.24 |
| Oil Tanker Bootman..... | \$ 21.94 | |
| Pickup..... | \$ 12.88 ** | 1.73 |
| Water Truck < 2500 gal..... | \$ 19.59 | 5.90 |
| Water Truck > 3900 gal..... | \$ 18.70 | 4.79 |
| Water Truck 2500 < 3900 gal..... | \$ 17.13 ** | |

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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** Workers in this classification may be entitled to a higher minimum wage under Executive Order 14026 (\$17.20) or 13658 (\$12.90). Please see the Note at the top of the wage determination for more information. Please also note that the minimum wage requirements of Executive Order 14026 are not currently being enforced as to any contract or subcontract to which the states of Texas, Louisiana, or Mississippi, including their agencies, are a party.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at

<https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (iii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates

the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

State Adopted Rate Identifiers

Classifications listed under the ""SA"" identifier indicate that the prevailing wage rate set by a state (or local) government was adopted under 29 C.F.R. 1.3(g)-(h). Example: SAME2023-007 01/03/2024. SA reflects that the rates are state adopted. ME refers to the State of Maine. 2023 is the year during which the state completed the survey on which the listed classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 01/03/2024 reflects the date on which the classifications and rates under the ?SA? identifier took effect under state law in the state from which the rates were adopted.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"

CONTRACT AGREEMENT (SAMPLE)

THIS AGREEMENT, entered into this _____ day of _____, 20_____, by and between the Town of Miami, County of Gila, State of Arizona (hereinafter called the "TOWN") acting herein by the Mayor of the Town of Miami, hereunto duly authorized, and _____
(hereinafter called the "CONTRACTOR") acting herein _____ hereunto authorized.

WITNESSETH THAT:

The TOWN desires to engage the CONTRACTOR to render construction services for the Keystone Stairs Rehabilitation Project, Contract #108-24.

NOW, THEREFORE the parties do mutually agree as follows:

1. Work

CONTRACTOR shall complete all work as specified or indicated in the contract documents. The work is generally described as follows:

The contractor shall furnish all materials, labor, equipment, services, transportation and perform all the work for the Town's project known as the Lime Street Improvement CDBG Project 108-24 for the Town of Miami, Arizona as called for in the Scope of Work. The proposer should prepare a detailed time schedule for completion. The successful proposer will be required to lend all possible assistance in the preparation, investigation, and documentation necessary for compliance with all applicable federal Labor Standards/Davis-Bacon and other requirements of ADOH. The successful proposer should be prepared to comply with all local, state, and federal safety and environmental requirements. The project shall be accomplished in accordance with all federal program and state statutory requirements to include 2 CFR 200, Executive Orders and the Arizona Administrative Code.

The scope of work will include construction services including concrete staircase renovation, concrete staircase construction, concrete walkway renovation, concrete walkway construction, curb and gutter construction, retaining wall construction, and associated miscellaneous construction work, all part of the Keystone Stairs Rehabilitation project.

2. Access to Information

It is agreed that all information, data reports, records, and plans as are existing, available and necessary for carrying out of the work outlined above have been furnished to the CONTRACTOR by the TOWN and its agencies. CONTRACTOR hereby acknowledges receipt of same. No charge will be made to the CONTRACTOR for such information and the TOWN, and its agencies will cooperate with the CONTRACTOR in every way possible to facilitate the performance of the work described in the AIA Contract and this addendum.

3. Project Manager - Administration

The TOWN has designated Angela Gotto, CAG, as project manager. The project manager shall be empowered

to perform all administrative functions as required for management of the project and verification of compliance with ADOH requirements.

4. **Contract Times**

The work will be completed and ready for final payment within forty-five (45) calendar days of the date in the Notice to Proceed.

5. **Liquidated Damages**

TOWN and CONTRACTOR recognize that time is of the essence of this Agreement and that the TOWN will suffer financial loss if the work is not completed within the time specified. They also recognize the delays, expense and difficulties involved in proving the actual loss suffered by the TOWN if the work is not completed on time. Accordingly, instead of requiring any such proof, the TOWN and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay the TOWN \$500.00 for each day that expires after the time specified for final completion until the work is complete and ready for final payment.

6. **Compensation and Method of Payment**

The maximum amount of compensation and reimbursement to be paid hereunder shall not exceed: [insert total bid amount]. Originals of the Applications for Payment are to be submitted no later than the first day of the month and a copy emailed to: Central Arizona Governments

Attention: Angela Gotto, Project Manager
2540 W. Apache Trail, Suite 108
Apache Junction, AZ 85120
agotto@cagaz.org

On a weekly basis, the PROJECT MANAGER shall review and verify the percentage, progress and quality of work completed and shall verify compliant completion of all necessary documentation required by ADOH, including but not limited to, federal Labor Standards/Davis- Bacon.

The TOWN and CONTRACTOR mutually agree that the TOWN will make a progress payment based on a duly certified (by PROJECT MANAGER) and approved (by a duly authorized representative of the TOWN) estimate of the work covered by the corresponding Application for Payment, subject to those conditions stipulated below and in other parts of the contract documents.

The TOWN will make payments in the amount equal to ninety percent (90%) of work completed (i.e. Town will retain ten percent (10%) of each estimate as additional guarantee for complete performance of the work), less the aggregate of payments previously made and less such deductions as PROJECT MANAGER or TOWN determines are appropriate to cover claims requiring a greater sum to be retained.

Except as qualified above, upon final completion and acceptance of the work or designated part of the work on which separate final completion and acceptance and contract price are specified and upon compliance with other terms and conditions of the contract documents, payment may be made in full, including retainage withheld less such deductions as PROJECT MANAGER may recommend or the TOWN may withhold to cover

claims requiring a greater sum to be retained and liquidated damages.

The TOWN may deduct from each progress payment and final payment an amount equal to the TOWN's estimate of the liquidated damages then due or that would become due based on the TOWN's estimate of late completion of the work if CONTRACTOR fails to submit and implement a written schedule recovery plan describing the cause of schedule slippage or delayed progress and the actions proposed to recover schedule.

7. Indemnification

CONTRACTOR shall comply with the requirements of all applicable laws, rules and regulations and shall exonerate, indemnify, and hold harmless the TOWN and its agency members, CAG, and the State of Arizona Department of Housing (ADOH) from and for any violation caused by him and shall assume full responsibility for payment of federal, state, and local taxes on contributions imposed or required under the Social Security, workmen's compensation and income tax laws.

8. Miscellaneous Provisions

- a. This Agreement shall be construed under and in accordance with the laws of the State of Arizona and all obligations of the parties created hereunder are performable in Pinal County, Arizona.
- b. This Agreement shall be binding upon and ensure to the benefit of the parties hereto and their respective heirs, executors, administrators, legal representatives, successors and assigns where permitted by this Agreement.
- c. In any case one (1) or more of the provisions contained in this Agreement shall, for any reason, be held to be invalid, illegal, or unenforceable said holding shall not affect any other provision thereof and this Agreement shall be construed as if such invalid, illegal or unenforceable provision had never been contained herein.
- d. If any action at law or in equity is necessary to enforce or interpret the terms of this Agreement, the prevailing party shall be entitled to reasonable attorney's fees, costs, and necessary disbursements in addition to any other relief to which such party may be entitled.
- e. This Agreement may be amended only by mutual agreement of the parties hereto in writing to be attached to and incorporated into this Agreement.

9. Project Familiarity and Identification of Conflicts

In order to induce the TOWN to enter into this Agreement, CONTRACTOR makes the following representation:

- a. CONTRACTOR has familiarized himself/herself with the nature and extent of the contract documents, work, site, locality and all local conditions and laws and regulations that in any manner may affect cost, progress, performance or furnishing of the work.
- b. CONTRACTOR has given the PROJECT MANAGER a written notice of all conflicts, errors or discrepancies discovered in the contract documents and the written resolution thereof by the PROJECT MANAGER/CAG is acceptable to the CONTRACTOR.
- c. CONTRACTOR has examined and carefully studied the contract documents and other related data identified in the bidding documents including "technical data".

- d. CONTRACTOR is familiar with and satisfied as to all federal, state and local laws and regulations that may affect cost, progress, performance and furnishing of the work.

10. Insurance

Certificate(s) of Insurance naming the TOWN *and* CAG as co-insured verifying the minimum coverages as listed below shall be delivered as specified in the Notice of Award prior to issuance of the Notice to Proceed:

- Workers' Compensation (statutory)
- Protective Bodily Injury
- Personal Property
- Automobile Bodily Injury and Property Damage

11. Timely Submission of Labor Standard Forms

All forms necessary for compliance with the Davis-Bacon Wage Act shall be delivered to PCI prior to issuance of the Notice to Proceed and on a weekly basis during construction.

12. Contract Documents

The contract documents which comprise the entire agreement between the TOWN and the CONTRACTOR concerning the work consist of the following:

- This Agreement pages _____ to _____
- Exhibit A: Terms & Conditions
- Certifications
- Performance, Payment, and other Bonds
- Notice to Proceed
- General Conditions and Supplementary Conditions
- Specifications and drawings incorporated in the bidding documents
- Bidding documents including addenda acknowledged in CONTRACTOR bid.

13. Labor Standard and Miscellaneous Requirements

This agreement is subject to the Federal Labor Standards Provisions, Davis-Bacon Act of 1931, Contract Work Hours and Safety Standards Act of 1962, Copeland Act of 1934 and the Fair Labor Standards Act of 1939.

The following information, required by or included in the Bid Package for this project, is a part of this contract:

- a) Wage Rate # AZ20240009 08/30/2024 Mod# 2
- b) HUD 4010
- c) Completed LS2, LS3's, LS4's, and LS5's in Labor Standard File

- d) Signed Certifications
- e) SAM.gov # _____
- f) Contractor's License #ROC _____ Expiration Date _____
- g) Certificate of Insurance
- h) Bid, Payment, and Performance Bonds

14. Buy America, Build America ACT (BABA)

The Contractor acknowledges to and for the benefit of the _____ ("Owner") and the _____ (the "Funding Authority") that it understands the goods and services under this Agreement are being funded with federal monies and have statutory requirements commonly known as "Build America, Buy America;" that requires all of the iron and steel, manufactured products, and construction materials used in the project to be produced in the United States ("Build America, Buy America Requirements") including iron and steel, manufactured products, and construction materials provided by the Contactor pursuant to this Agreement.

The Contractor hereby represents and warrants to and for the benefit of the Owner and Funding Authority (a) the Contractor has reviewed and understands the Build America, Buy America Requirements, (b) all of the iron and steel, manufactured products, and construction materials used in the project will be and/or have been produced in the United States in a manner that complies with the Build America, Buy America Requirements, unless a waiver of the requirements is approved, and (c) the Contractor will provide any further verified information, certification or assurance of compliance with this paragraph, or information necessary to support a waiver of the Build America, Buy America Requirements, as may be requested by the Owner or the Funding Authority.

Notwithstanding any other provision of this Agreement, any failure to comply with this paragraph by the Contractor shall permit the Owner or Funding Authority to recover as damages against the Contractor any loss, expense, or cost (including without limitation attorney's fees) incurred by the Owner or Funding Authority resulting from any such failure (including without limitation any impairment or loss of funding, whether in whole or in part, from the Funding Authority or any damages owed to the Funding Authority by the Owner). If the Contractor has no direct contractual privity with the Funding Authority, as a lender or awardee to the Owner for the funding of its project, the Owner and the Contractor agree that the Funding Authority is a third-party beneficiary and neither this paragraph (nor any other provision of this Agreement necessary to give this paragraph force or effect) shall be amended or waived without the prior written consent of the Funding Authority.

15. Terms and Conditions

This Agreement is subject to the provisions entitled "Terms and Conditions" attached hereto and incorporated by reference herein as Exhibit A. This Addendum shall be interpreted as if Exhibit A were printed in full herein.

16. Certifications

This Agreement is subject to the provisions entitled "Certifications" which were submitted by the CONTRACTOR in the bid dated January 10, 2024 and are incorporated by reference herein and shall be interpreted as if the Certifications were printed in full herein.

IN WITNESSETH HEREOF, the parties have hereunto set their hands and seals.

Approved as to Form:

The Town of Miami

Town Attorney

Jose Angel Medina, Mayor

ATTEST:

CONTRACTOR:

Town Clerk

President

EXHIBIT A: TERMS AND CONDITIONS

1. Termination of Contract

- a. If, for any reason, the CONTRACTOR shall fail to fulfill in a timely and proper manner his/her obligations under this contract or if the CONTRACTOR shall violate any of the covenants, agreements or stipulations of this contract, the TOWN shall thereupon have the right to terminate the contract by giving written notice to the CONTRACTOR of such termination and specifying the effective date thereof. In such event, all finished or unfinished site or structural improvements, as well as all materials or equipment acquired or stored by the CONTRACTOR under this contract shall, at the option of the TOWN, become TOWN'S property and the CONTRACTOR shall be entitled to receive just and equitable compensation for any work satisfactorily completed hereunder.

Notwithstanding the above, the CONTRACTOR shall not be relieved of liability to the TOWN for damages sustained by the TOWN by virtue of any breach of the contract by the CONTRACTOR and the TOWN may withhold any payments to the CONTRACTOR for the purpose of set-off until such time as the exact amount of damages due the TOWN from the CONTRACTOR is determined.

- b. The TOWN may terminate this contract at any time by giving at least ten (10) days written notice to the CONTRACTOR. If the contract is terminated by the TOWN as provided herein, the CONTRACTOR will be paid as provided in this Addendum for the time expended and expenses incurred up to the termination date. If this contract is terminated due to the fault of the CONTRACTOR, Paragraph 1.a hereof relative to termination shall apply.
- c. This contract may be terminated per A.R.S. §38-511, Conflict of Interest.

2. Sanction, Penalties and Debarment

A breach of the contract provisions concerning violations of federal labor standards may be grounds for termination of the contract and result in sanctions, penalties including liquidated damages and/or debarment of the contractor.

3. Changes

The TOWN may request changes in the scope of the services of the CONTRACTOR to be performed hereunder. Such changes, including any increase or decrease in the amount of the CONTRACTOR'S compensation, which are mutually agreed upon by and between the TOWN and the CONTRACTOR, shall be incorporated in written amendments to this contract.

4. Personnel

- a. The CONTRACTOR represents that he/she has, or will secure at his own expense, all personnel required in performing the services under this contract. Such personnel shall not be employees of or have any contractual relationship with the TOWN.
- b. All of the services required hereunder will be performed by the CONTRACTOR or under his/her supervision and all personnel engaged in the work shall be fully qualified, authorized and permitted for such work under

state and local law to perform such services.

- c. None of the work or services covered by this contract shall be subcontracted without the prior written approval of the TOWN. Any work or services sub-contracted hereunder shall be specified by written contract or agreement and shall be subject to each provision of this contract.

5. Assignability

The CONTRACTOR shall not assign any interest on this contract and shall not transfer any interest in the same, whether by assignment or novation, without the prior written consent of the TOWN thereto: provided, however, that claims for money by the CONTRACTOR from the TOWN under this contract may be assigned to a bank, trust company or other financial institution without such approval. Written notice of any such assignment or transfer shall be furnished promptly to the TOWN.

6. Reports and Information

The CONTRACTOR, at such times and in such forms as the TOWN may require, shall furnish the TOWN such periodic reports as it may request pertaining to the work or services undertaken pursuant to this contract, the costs and obligations incurred or to be incurred in connection therewith and any other matters covered by this contract.

7. Records Maintenance and Retention

The CONTRACTOR shall maintain accounts and records including personnel, property and financial records, adequate to identify and account for all costs pertaining to the contract and such other records as may be deemed necessary by the TOWN to assure proper accounting for all project funds, both federal and non-federal shares. These records will be retained for at least three (3) years following the grant contract closeout between ADOH and U.S. Department of Housing and Urban Development (HUD) unless permission to destroy them is granted in writing by the TOWN.

8. Findings Confidential

All of the reports, information, data, etc., prepared or assembled by the CONTRACTOR under this contract are confidential and the CONTRACTOR agrees that they shall not be made available to any individual or organization without the prior written approval of the TOWN, ADOH or HUD.

9. Copyright

No report, plan, drawing or other documents produced in whole or in part under this contract shall be the subject of an application for copyright by or on behalf of the CONTRACTOR.

10. Compliance with Local Laws

The CONTRACTOR shall comply with all applicable laws, ordinances and codes of the state and local governments and the CONTRACTOR shall save the TOWN harmless with respect to any damages arising from any tort done by the CONTRACTOR or representatives in performing any of the work embraced by this contract.

11. CONTRACTOR will comply with the requirements of the 2010 ADA Standards for Accessible Design.

12. Interest of Members of a TOWN Governing Body

No member of the governing body of the TOWN and no other officer, employee or agent of the TOWN who exercises any functions or responsibilities in connection with the planning and carrying out of the program, shall have any personal financial interest, direct, or indirect, in this contract and the CONTRACTOR shall take appropriate steps to assure compliance.

13. Interest of Other Local Public Officials

No member of the governing body of the locality and no other public official of such locality who exercises any functions or responsibilities in connection with the planning and carrying out of the program, shall have any personal financial interest, direct or indirect, in this contract and the CONTRACTOR shall take appropriate steps to assure compliance.

14. Interest of CONTRACTOR and Employees

The CONTRACTOR covenants that he/she presently has no interest and shall not acquire interest, direct or indirect, in the study area or any parcels therein or any other interest which would conflict in any manner or degree with the performance of his/her services hereunder. The CONTRACTOR further covenants that no person having any such interest shall be employed in the performance of this contract.

15. Access for Persons with Disabilities

In performing all construction CONTRACTOR agrees to comply with the 2010 ADA Standards for Accessible Design. CONTRACTOR represents that he understands said standard specifications and same are incorporated herein by this reference.

16. Clean Air Act, Clean Water Act

The CONTRACTOR shall comply with all applicable standards, orders or requirements issued under Section 306 of the Clean Air Act (42 U.S.C. 7606), Section 508 of the Clean Water Act (33 U.S.C. 1368), Executive Order 11738 and EPA regulations which prohibit the use of non-exempt federal contracts, grants or loans of facilities included on the EPA List of Violating Facilities. The provision requires reporting of violations to the USEPA Assistant Administrator for Enforcement.

17. Mandatory Standards and Policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act.

18. Federal Labor Standards Provisions

This agreement is subject to the Federal Labor Standards Provisions, Davis-Bacon Act of 1931, contract Work Hours and Safety Standards Act of 1962, Copeland Act of 1934 and the Fair Labor Standards Act of 1939.

The CONTRACTOR agrees to comply with the Federal Labor Standards Provisions (HUD Form 4010) which is incorporated by reference herein. The CONTRACTOR shall supply information to the TOWN as necessary for monitoring of compliance to include, but not be limited to, submission of Labor Standard Forms included in the bid package, on-site inspections, investigations and/or enforcement by the TOWN. The CONTRACTOR agrees to comply with the Wage Rate Determination included in the bid package and incorporated by reference.

THIS PROJECT IS IN WHOLE OR IN PART FEDERALLY FUNDED AND THE SUCCESSFUL BIDDER WILL BE REQUIRED TO ADHERE TO FEDERAL LABOR STANDARD/DAVIS-BACON PROVISIONS.

Central Arizona Governments (CAG) will monitor compliance with such provisions and standards on behalf of the Town of Miami. The successful bidder will be required to complete the following forms in order to comply. A brief explanation of the form and when the form is to be submitted to CAG is listed below. Should you have any questions concerning Federal Labor Standards or the forms to be submitted, please feel free to call CAG, Angela Gotto at phone number: (480) 474-9300; or e-mail: agotto@cagaz.org.

LS2 Contractor's Certification Concerning Labor Standards and Prevailing Wage Requirements

A separate form is to be completed by the contractor and **submitted as a part of the bid package.**

LS3 Sub-contractor's Certification Concerning Labor Standards and prevailing Wage Requirements

This form is to be completed by **each** subcontractor and **submitted to CAG within ten (10) days of execution of the subcontract and a minimum of seven (7) days prior to the date the subcontractor is scheduled to start work on site.**

LS4 Weekly Payroll Report

This form is to be completed by **each** contractor and sub-contractor weekly for the contract duration. **Forms must be complete, correctly signed and submitted to CAG within seven (7) days of the end of the work week.**

Weekly Payroll Reports will be verified by CAG and ADOH to confirm payment of the required wages. The Weekly Payroll Reports must include all employees who have worked on the job site, including persons exempt from Davis-Bacon and Related Acts wage rate.

Exempt persons are:

- a. Business Owners: This person must be listed in Section 5C of the LS2 or LS3 as an owner, partner or principal, owning at least a bona fide twenty percent (20%) equity interest in the business and must also be able to document the business via a tax ID number. This person must also be actively engaged in the business's management and must not meet the Davis-Bacon definition of a "laborer or mechanic". Relatives of the owner who are not listed in Section 5C must be paid Davis-Bacon and Related Acts wages. A sub-contractor who cannot document that the business is bona fide must be listed as an employee on the prime contractor's Weekly Payroll Report.
- b. Apprentices: The contractor/sub-contractor must provide written evidence of the registration of the program with the DOL Employment and Training Administration (ETA), Office of Apprenticeship Training, Employer and

Labor Services (OA) or a state apprenticeship agency recognized by the ETA/OA. For additional information concerning apprentices, please call CAG.

- c. Youth Employment: These individuals must be employed in a bona fide summer youth employment or opportunity program. For additional information concerning youth employment, please call CAG.
- d. Other: On-site but non-construction (non-hands on) superintendents, inspectors, engineers, watch persons, water carriers, messengers, clerical workers and working foremen who devote less than twenty percent (20%) of their time to construction work are exempt. If a foreman devotes more than twenty percent (20%) of his/her time to mechanic or laborer duties, they must be paid the applicable wage rate(s) for all hours worked.

LS5 Statement of Compliance

This form is the certification for the Payroll Form LS-4. A separate form is to be completed by **each** contractor and subcontractor weekly for the duration of the contract. **Forms must be complete and correct, signed by the appropriate person, and submitted to CAG WITH THE LS-4 within seven (7) days of the end of the work week.**

The LS-5 must list all deductions indicated on the LS-4 and must indicate whether the fringe was paid in cash or to an approved fringe benefit plan. The LS-5 must be signed in ink by the owner or officer as listed on the LS-2 or LS-3 or by an employee designated in writing by the owner/officer as authorized to sign.

LS7 Notice to All Employees

This notice must be **posted** on the job site prior to the start of construction and must **remain posted** during construction.

LS15 Authorization for Deductions

This form is to be completed by **each** contractor and sub-contractor and is to be **submitted to CAG one (1) week prior to the first payroll**. Please note that each employee who authorizes payroll deductions for items other than standard state and federal taxes must sign the form.

The following information or action is also required in order to comply with Federal Labor Standards.

Verification of Fringe Benefit Plan

If fringe benefits are not paid in cash, each contractor and sub-contractor must submit verification of each fringe benefit plan at least one (1) week prior to the first payroll by submitting the following information:

- a. A copy of the most recent remittance statement from the company holding the fringe benefit plan such as a bank, union, etc. The remittance statement must verify the employees covered by the plan and the amount paid into the plan for each employee by the contractor or subcontractor.

OR

- b. A letter addressed to *CAG* from each bank, union, etc. holding the fringe benefit plan. The letter must verify which employees are covered by the plan and the amount paid into the plan for each employee by the contractor or sub-contractor.

Pre-construction Conference

The purpose of the pre-construction conference is to provide a forum for *CAG*, the Town of Miami, project manager, contractor, and sub-contractors to discuss the technical nature of the construction project and all of the compliance requirements of the contract.

Contractor and sub-contractor representatives shall attend. It is very important that the person preparing the Weekly Payroll Sheets attend this conference as well.

Notice Provisions

The Federal Labor Standards Provisions as well as the General Wage Decision included in this bid package must be posted on site during construction as well as the Equal Opportunity Employment/Non-Discrimination Notice. All postings shall be clearly visible and easily accessible to employees.

During construction, *CAG* will monitor compliance with the federal Labor Standards/Davis- Bacon. This monitoring shall include, but not be limited to, contractor and sub-contractor employee interviews, on-site inspections, review of the weekly payroll, etc., as required.

Copies of the LS forms to be completed during monitoring are available from *CAG*.

PAYROLL

(For Contractor's Optional Use; See Instructions at www.dol.gov/whd/forms/wh347instr.htm)



Rev. Dec. 2008

Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number.

OMB No.: 1235-0008
Expires: 04/30/2021

| NAME OF CONTRACTOR | | OR SUBCONTRACTOR | | ADDRESS | | | | | | | | | | | | | | | |
|--|--|-------------------------------|-----------------|-----------------------|------|-------------------------|--|--|-------|-------------------------|-----------------------|-----------------------|----------------------------------|-------------------|--|--|--|--|---|
| PAYROLL NO. | | FOR WEEK ENDING | | PROJECT AND LOCATION | | | | | | PROJECT OR CONTRACT NO. | | | | | | | | | |
| (1) NAME AND INDIVIDUAL IDENTIFYING NUMBER (e.g., LAST FOUR DIGITS OF SOCIAL SECURITY NUMBER) OF WORKER | (2) NO. OF WITHHOLDING EXEMPTIONS | (3) WORK CLASSIFICATION | OT OR ST. | (4) DAY AND DATE | | | | | | | (5) TOTAL HOURS | (6) RATE OF PAY | (7) GROSS AMOUNT EARNED | (8) DEDUCTIONS | | | | | (9) NET WAGES PAID FOR WEEK |
| | | | | HOURS WORKED EACH DAY | FICA | WITH- HOLDING TAX | | | OTHER | TOTAL DEDUCTIONS | | | | | | | | | |
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While completion of Form WH-347 is optional, it is mandatory for covered contractors and subcontractors performing work on Federally financed or assisted construction contracts to respond to the information collection contained in 29 C.F.R. §§ 3.3, 5.5(a). The Copeland Act (40 U.S.C. § 3145) contractors and subcontractors performing work on Federally financed or assisted construction contracts to "furnish weekly a statement with respect to the wages paid each employee during the preceding week." U.S. Department of Labor (DOL) regulations at 29 C.F.R. § 5.5(a)(3)(ii) require contractors to submit weekly a copy of all payrolls to the Federal agency contracting for or financing the construction project, accompanied by a signed "Statement of Compliance" indicating that the payrolls are correct and complete and that each laborer or mechanic has been paid not less than the proper Davis-Bacon prevailing wage rate for the work performed. DOL and federal contracting agencies receiving this information review the information to determine that employees have received legally required wages and fringe benefits.

Public Burden Statement

We estimate that it will take an average of 55 minutes to complete this collection, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. If you have any comments regarding these estimates or any other aspect of this collection, including suggestions for reducing this burden, send them to the Administrator, Wage and Hour Division, U.S. Department of Labor, Room S3502, 200 Constitution Avenue, N.W. Washington, D.C. 20210

Date _____

I, _____
(Name of Signatory Party) (Title)

do hereby state:

(1) That I pay or supervise the payment of the persons employed by

_____ on the
(Contractor or Subcontractor)

_____ ; that during the payroll period commencing on the
(Building or Work)

_____ day of _____, _____, and ending the _____ day of _____, _____,

all persons employed on said project have been paid the full weekly wages earned, that no rebates have been or will be made either directly or indirectly to or on behalf of said

_____ from the full
(Contractor or Subcontractor)

weekly wages earned by any person and that no deductions have been made either directly or indirectly from the full wages earned by any person, other than permissible deductions as defined in Regulations, Part 3 (29 C.F.R. Subtitle A), issued by the Secretary of Labor under the Copeland Act, as amended (48 Stat. 948, 63 Stat. 108, 72 Stat. 967; 76 Stat. 357; 40 U.S.C. § 3145), and described below:

(2) That any payrolls otherwise under this contract required to be submitted for the above period are correct and complete; that the wage rates for laborers or mechanics contained therein are not less than the applicable wage rates contained in any wage determination incorporated into the contract; that the classifications set forth therein for each laborer or mechanic conform with the work he performed.

(3) That any apprentices employed in the above period are duly registered in a bona fide apprenticeship program registered with a State apprenticeship agency recognized by the Bureau of Apprenticeship and Training, United States Department of Labor, or if no such recognized agency exists in a State, are registered with the Bureau of Apprenticeship and Training, United States Department of Labor.

(4) That:

(a) WHERE FRINGE BENEFITS ARE PAID TO APPROVED PLANS, FUNDS, OR PROGRAMS

- in addition to the basic hourly wage rates paid to each laborer or mechanic listed in the above referenced payroll, payments of fringe benefits as listed in the contract have been or will be made to appropriate programs for the benefit of such employees, except as noted in section 4(c) below.

(b) WHERE FRINGE BENEFITS ARE PAID IN CASH

- Each laborer or mechanic listed in the above referenced payroll has been paid, as indicated on the payroll, an amount not less than the sum of the applicable basic hourly wage rate plus the amount of the required fringe benefits as listed in the contract, except as noted in section 4(c) below.

(c) EXCEPTIONS

| EXCEPTION (CRAFT) | EXPLANATION |
|-------------------|-------------|
| | |
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REMARKS:

| | |
|----------------|-----------|
| NAME AND TITLE | SIGNATURE |
|----------------|-----------|

THE WILLFUL FALSIFICATION OF ANY OF THE ABOVE STATEMENTS MAY SUBJECT THE CONTRACTOR OR SUBCONTRACTOR TO CIVIL OR CRIMINAL PROSECUTION. SEE SECTION 1001 OF TITLE 18 AND SECTION 231 OF TITLE 31 OF THE UNITED STATES CODE.

Recipient: Town of Miami Contract No.: 108-24
 Activity No.: 2 Activity Name: Keystone Stairs Rehabilitation

LS-17: CERTIFICATION FOR APPLICABLE FRINGE BENEFIT PAYMENTS

Project Name: _____

Name of Contractor/Sub-Contractor: _____

Provide the name, address and telephone number of each plan for fringe benefits provided. List for each classification if different.

| |
|-----------------------------|
| 1. Employee Classification: |
| Health and Welfare: |
| Pension: |
| Vacation: |
| Apprenticeship/Training: |
| Other: |
| 2. Employee Classification: |
| Health and Welfare: |
| Pension: |
| Vacation: |
| Apprenticeship/Training: |
| Other: |
| 3. Employee Classification: |
| Health and Welfare: |
| Pension: |
| Vacation: |
| Apprenticeship/Training: |
| Other: |

I hereby certify that I make payments to the fringe benefit plans, funds or programs identified above.

 Signature (must be owner/principal/officer as shown on LS-2/3)

 Date

 Typed Name

 Title

LS-17 (02/1998)



FORM LS-15 AUTHORIZATION FOR DEDUCTIONS

Table with 2 columns: Recipient: Town of Miami, Contract No: 108-24; Activity Name: Keystone Stairs Rehabilitation

The undersigned authorizes deductions from his/her wages, as noted. It is understood that:

- the deduction(s) are in the interest/convenience of the employee,
• the deduction(s) are not a condition of employment,
• there is no direct or indirect financial benefit accruing to the employer,
• it is not otherwise forbidden by law; and
• if the deduction(s) are for fringe benefits, information regarding the fringe benefit plan has been provided to me in writing

1. a. EMPLOYEE NAME b. DATE(s) c. AMOUNT d. PURPOSE
(may cover all work performed for contract)

Printed Name

Signature

Printed Name

Signature

Printed Name

Signature

Printed Name

Signature

(Page of)

2. Name of Contractor/Sub: _____

Signature of Authorized Representative

Date

Typed Name:

Phone Number

EMPLOYEE RIGHTS

UNDER THE DAVIS-BACON ACT

FOR LABORERS AND MECHANICS EMPLOYED ON FEDERAL OR FEDERALLY ASSISTED CONSTRUCTION PROJECTS

PREVAILING WAGES

You must be paid not less than the wage rate listed in the Davis-Bacon Wage Decision posted with this Notice for the work you perform.

OVERTIME

You must be paid not less than one and one-half times your basic rate of pay for all hours worked over 40 in a work week. There are few exceptions.

ENFORCEMENT

Contract payments can be withheld to ensure workers receive wages and overtime pay due, and liquidated damages may apply if overtime pay requirements are not met. Davis-Bacon contract clauses allow contract termination and debarment of contractors from future federal contracts for up to three years. A contractor who falsifies certified payroll records or induces wage kickbacks may be subject to civil or criminal prosecution, fines and/or imprisonment.

APPRENTICES

Apprentice rates apply only to apprentices properly registered under approved Federal or State apprenticeship programs.

PROPER PAY

If you do not receive proper pay, or require further information on the applicable wages, contact the Contracting Officer listed below:

or contact the U.S. Department of Labor's Wage and Hour Division.



WAGE AND HOUR DIVISION
UNITED STATES DEPARTMENT OF LABOR

1-866-487-9243
TTY: 1-877-889-5627
www.dol.gov/whd



DERECHOS DEL EMPLEADO BAJO LA LEY DAVIS-BACON

PARA OBREROS Y MECÁNICOS EMPLEADOS EN PROYECTOS DE CONSTRUCCIÓN FEDERAL O CON ASISTENCIA FEDERAL

SALARIOS PREVALECIENTES

No se le puede pagar menos de la tasa de pago indicada en la Decisión de Salarios Davis-Bacon fijada con este Aviso para el trabajo que Ud. desempeña.

SOBRETIEMPO

Se le ha de pagar no menos de tiempo y medio de su tasa básica de pago por todas las horas trabajadas en exceso de 40 en una semana laboral. Existen pocas excepciones.

CUMPLIMIENTO

Se pueden retener pagos por contratos para asegurarse que los obreros reciban los salarios y el pago de sobretiempo debidos, y se podría aplicar daños y perjuicios si no se cumple con las exigencias del pago de sobretiempo. Las cláusulas contractuales de Davis-Bacon permiten la terminación y exclusión de contratistas para efectuar futuros contratos federales hasta tres años. El contratista que falsifique los registros certificados de las nóminas de pago o induzca devoluciones de salarios puede ser sujeto a procesamiento civil o criminal, multas y/o encarcelamiento.

APRENDICES

Las tasas de aprendices sólo se aplican a aprendices correctamente inscritos bajo programas federales o estatales aprobados.

PAGO APROPIADO

Si Ud. no recibe el pago apropiado, o precisa de información adicional sobre los salarios aplicables, póngase en contacto con el Contratista Oficial que aparece abajo:

o póngase en contacto con la División de Horas y Salarios del Departamento de Trabajo de los EE.UU.



DIVISIÓN DE HORAS Y SALARIOS
DEPARTAMENTO DE TRABAJO DE LOS EE.UU.

1-866-487-9243
TTY: 1-877-889-5627
www.dol.gov/whd



BID COVER SHEET

CONTRACTOR: _____

THE FOLLOWING ITEMS MUST BE RETURNED WITH THE BID FOR A COMPLETE BID PACKAGE:

- BID FORM (3 PAGES)
- BID SCHEDULE
- BID BOND, CERTIFIED CHECK, OR CASHIER'S CHECK
- CONTRACTOR'S QUALIFICATION STATEMENT (3 PAGES); WITH SUPPORTING DATA (NO MORE THAN 5 PAGES)
 - LIST OF MOST REPRESENTATIVE PROJECTS/DAVIS BACON IDENTIFIED
 - IDENTIFICATION OF PROJECT TEAM
 - RESUMES OF KEY PERSONNEL
 - LIST OF CURRENT MAJOR PROJECT COMMITMENTS
- PROJECT SCHEDULE – USE YOUR OWN FORMAT
- SUBCONTRACTOR LIST (1 PAGE)
- LS-2 CONTRACTOR'S CERTIFICATION CONCERNING LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS (3 PAGES)
- CERTIFICATIONS SIGNATURE FORM (1 PAGE)

DELIVER ONE ORIGINAL AND TWO COPIES IN A SEALED ENVELOPE LABELED "KEYSTONE STAIRS REHABILITATION" NO LATER THAN 2:00 PM, ON NOVEMBER 14, 2024 TO: TOWN OF MIAMI, ATTN: KAREN NORRIS, 500 W. SULLIVAN STREET, MIAMI, AZ 85539.

FAXES ARE NOT ACCEPTABLE.

LATE BIDS WILL BE RETURNED UNOPENED.

**Town of Miami
Keystone Stairs Rehabilitation
BID FORM**

PROJECT IDENTIFICATION: **Keystone Stairs Rehabilitation Project**

CONTRACT IDENTIFICATION AND NUMBER: **CDBG #108-24**

THIS BID IS SUBMITTED TO: **Town of Miami
500 W. Sullivan Street
Miami, AZ 85539**

BID AMOUNT: _____ (in numbers)

In Words: _____

1. The undersigned Bidder proposes and agrees, if this bid is accepted, to enter into an Agreement with the Town of Miami in the form included in the contract documents to perform and furnish all work as specified or indicated in the contract documents for the contract price and within the contract time indicated in this bid and in accordance with the other terms and conditions of the contract documents.
2. Bidder accepts all of the terms and conditions of the Invitation to Bid and Instructions to Bidders, including without limitation, those dealing with the disposition of bid security. This bid will remain subject to acceptance for *30 days* after the day of bid opening. Bidder will sign and submit the Contract with the bonds and other documents required by the bidding requirements within *10 days* after the date of Notice of Award.
3. In submitting this bid, Bidder represents, as more fully set forth in the Contract, that:
 - a. Bidder has examined copies of all of the bidding documents and of the following Addenda (receipt of which is hereby acknowledged):

| Date | Addendum Number |
|-------|-----------------|
| _____ | _____ |
| _____ | _____ |

- b. Bidder has familiarized himself/herself with the nature and extent of the contract documents, work, site, locality, and all local conditions and laws and regulations that in any manner may affect cost, progress, performance, or furnishing of the work.
 - c. Bidder specifies that the firm will not discriminate against employees or applicants for employment pursuant to the Governor's Executive Order #75-5 and all other applicable state and federal laws, regulations and Executive Orders.
 - d. Bidder acknowledges that the Town of Miami and CAG do not assume

responsibility for the accuracy or completeness of information and data shown or indicated in the bidding documents with respect to underground facilities at or contiguous to the site. Bidder has obtained and carefully studied (or assumes responsibility for having done so) all such additional or supplementary examinations, investigations, explorations, tests, studies and data concerning conditions (surface, subsurface and underground facilities) at or contiguous to the site or otherwise which may affect cost, progress, performance or furnishing of the work or which relate to any aspect of the means, methods, techniques, sequences and procedures of construction to be employed by Bidder and safety precautions and programs incident thereto. Bidder does not consider that any additional examinations, investigations, explorations, tests, studies or data are necessary for the determination of this bid for performance and furnishing of the work in accordance with the times, price and other terms and conditions of the contract documents.

- e. Bidder has correlated the information known to the Bidder, information and observations obtained from visits to the site, reports and drawings identified in the contract documents and all additional examinations, investigations, explorations, tests, studies and data with the contract documents.
 - f. Bidder has provided CAG written notice of all conflicts, errors, ambiguities or discrepancies that Bidder has discovered in the contract documents and the written resolution thereof by Engineer is acceptable to Bidder, and the contract documents are generally sufficient to indicate and convey understanding of all terms and conditions for performing and furnishing the work for which this bid is submitted.
 - g. This bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham bid; Bidder has not solicited or induced any person, firm or corporation to refrain from bidding; and Bidder has not sought by collusion to obtain for himself/herself any advantage over any other Bidder or over the Town of Miami.
- 4. Bidder will complete the work in accordance with the contract documents for the price outlined on the attached bid schedule.
 - 5. Bidder agrees that the work (all or any combination of Activities) will be fully completed and ready for final payment within **45 calendar days** after the effective date of the Notice to Proceed.
 - 6. Bidder accepts the provisions of the Contract as to liquidated damages of **\$100 per day** for each consecutive calendar day in the event of failure to complete the work (all or any combination of Activities) within the times specified in the Contract.

7. The following documents are attached to and made a condition of this bid:
- a. Required Bid Security
 - b. Contractor Qualification Statement and supporting data
 - c. Project Schedule
 - d. Subcontractor and Material Suppliers List
 - e. LS-2 Contractor's Certification Concerning Labor Standards and Prevailing Wage Requirements
 - f. Certifications

8. Communications concerning this bid shall be addressed to:

Name _____

Address _____

Phone _____

Submitted on _____, 2024.
(insert date)

State Contractor License No.: _____

Contractors may use AIA Document A305 - Contractor's Qualification Statement or this form to fulfill the qualification requirements of the bid.

CONTRACTOR'S QUALIFICATION STATEMENT

The undersigned certifies under oath to the truth and correctness of all statements and of all answer to questions made hereinafter.

SUBMITTED TO:

ADDRESS:

SUBMITTED BY:

NAME:

ADDRESS:

PRINCIPAL OFFICE:

- Corporation**
- Partnership**
- Individual**

- Joint Venture**
- Other**

1. How many years has your organization been in business as a general contractor?

2. How many years has your organization been in business under its present business name?
 - a. Under what other or former names has your organization operated?

3. If a corporation, answer the following:
 - a. Date of incorporation:
 - b. State of incorporation:
 - c. President's name:
 - d. Vice-president's name(s):
 - e. Secretary's name:
 - f. Treasurer's name:

4. If an individual or a partnership, answer the following:
 - a. Date of organization:
 - b. Name and address of all partners (state whether general or limited partnership):

5. If other than a corporation or partnership, describe organization and name principals:

6. List states and categories in which your organization is legally qualified to do business. Indicate registration or license numbers. List states in which partnership or trade name is filed.

7. Your organization normally performs the following work with your own forces:

8. Have you ever failed to complete any work awarded to you? If so, note when, where, and why:

9. Within the last five years, has any officer or partner of your organization ever been an officer or partner of another organization when it failed to complete a construction contract? If so, attach a separate sheet of explanation.
10. On a separate sheet, list major construction projects your organization has in process, giving the name of project, owner, Engineer, contract amount, percent complete, and scheduled completion date.
11. On a separate sheet, list similar projects your organization has completed in the past five years, giving the name of project, owner, Engineer, contract amount, date of completion, and percentage of the cost of the work performed with your own forces.
12. On a separate sheet, list the construction experience of the key individuals of your organization.
13. Dated at _____
this _____ day of _____, 20__.

Name of organization:

By:

Title:

SUB-CONTRACTORS AND MATERIAL SUPPLIERS LIST

The Contractor shall list below all qualified subcontractors and material suppliers for this project.

| Specialty | Sub-contractor/Material Supplier Name | License # |
|-----------|---------------------------------------|-----------|
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Recipient: Town of Miami Contract No.: 108-24
Activity No.: 2 Activity Name: Keystone Stairs Rehabilitation

**LS-2: CONTRACTOR'S CERTIFICATION
CONCERNING LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS**

1. I, the undersigned, am submitting a bid to (**name of recipient**): Town of Miami for the construction of the (**name of project**): Lime Street Improvements CDBG #108-24 and hereby acknowledge that the following items are included in the bid and will also be incorporated by reference into the contract, should I be selected as the contractor for the project.
 - a. Labor Standards Provisions (HUD 4010);
 - b. Wage Decision #AZ20240009 8/30/2024; Modification # 2; Bid Open Date November 18, 2024; and that
 - c. the correction of any infractions of the aforesaid conditions, including infractions by any of my sub-contractors and any lower tier sub-contractors, is my responsibility.
2. I hereby certify that:
 - a. To the best of my knowledge, neither I nor any firm, partnership or association in which I have a substantial interest, is designated as an ineligible contractor by the Comptroller General of the United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29 CFR. Part 5) or pursuant to Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)].
 - b. No part of the aforementioned contract is or will be sub-contracted to any sub-contractor, if such sub-contractor or firm, corporation, partnership or association in which such sub-contractor has a substantial interest is, to the best of my knowledge, designated as an ineligible contractor pursuant to any of the aforementioned regulatory or statutory provisions.
3. I agree to obtain and forward to the aforementioned grantee a Sub-contractor's Certification Concerning Labor Standards and Prevailing Wage Requirements executed by each and every sub-contractor, preferably prior to or where circumstances do not allow within ten (10) days after the execution of any sub-contract, including those executed by his/her sub-contractors and any lower tier sub-contractors.
4. Further, I certify that:
 - a. The demographic and business information of the undersigned are:

| Contractor Information | | | | | | | | | |
|------------------------|---------------------|--------------|----------------|-------------------|--------------|--------|-----------------|--|--------------|
| Amount of Contract | Type of Trade Code* | Racial Code* | Hispanic (Y/N) | Women Owned (Y/N) | IRS Tax ID # | DUNS # | Section 3 (Y/N) | Construction Firm Legal Name Address, City, State, Zip | AZ License # |
| \$ | | | | | | | | | |

* See Demographic and Trade Code table below for information

| Demographic and Trade Codes | |
|--|--|
| Race | Type of Trade Code |
| 11 White | 1 New Construction |
| 12 African American | 2 Education/Training |
| 13 Asian | 3 Other (i.e. rehabilitation, administration, professional, public services) |
| 14 American Indian or Alaskan Native | |
| 15 Native Hawaiian or other Pacific Islander | |
| 16 American Indian or Alaskan Native and White | |
| 17 Asian and White | |
| 18 African American and White | |
| 19 American Indian or Alaskan Native and White | |
| 20 Other Multi-racial | |

b. The undersigned is:

- a sole proprietorship;
- a partnership;
- a corporation organized in the State of _____; or
- another organization (describe) _____

c. The name, title and address of the owners, partners or officers of the undersigned are (list any other legal names/doing business as (dba)):

NAME

TITLE

ADDRESS

Recipient: Town of Miami Contract No.: 108-24
Activity No.: 2 Activity Name: Keystone Stairs Rehabilitation

**LS-3: SUB-CONTRACTOR'S CERTIFICATION
CONCERNING LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS**

1. I, the undersigned, having submitted a bid or having executed a contract with:
(contractor or sub-contractor): _____
for (name of project): _____
for (nature of work): _____
in the amount of \$ _____ certify that:
 - a. The Labor Standards Provisions (HUD 4010) are included in the aforementioned contract or bid;
 - b. Wage Decision # AZ20240009 09/01/2023 ; Modification # 2 ; are included in the aforementioned contract or bid.

2. I hereby certify that:
 - a. To the best of my knowledge, neither I nor any firm, partnership or association in which I have a substantial interest, is designated as an ineligible contractor by the Comptroller General of the United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29 CFR. Part 5) or pursuant to Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)].
 - b. No part of the aforementioned contract has been or will be sub-contracted to any sub-contractor, if such sub-contractor or firm, corporation, partnership or association in which such sub-contractor has a substantial interest is, to the best of my knowledge, designated as an ineligible contractor pursuant to any of the aforementioned regulatory or statutory provisions.

3. Further, I certify that:
 - a. The demographic and business information of the undersigned are:

| Contractor Information | | | | | | | | | |
|------------------------|---------------------|--------------|----------------|-------------------|--------------|--------|-----------------|--|--------------|
| Amount of Contract | Type of Trade Code* | Racial Code* | Hispanic (Y/N) | Women Owned (Y/N) | IRS Tax ID # | DUNS # | Section 3 (Y/N) | Construction Firm Legal Name Address, City, State, Zip | AZ License # |
| \$ | | | | | | | | | |

* See Demographic and Trade Code table below for information

| Demographic and Trade Codes | |
|--|--|
| Race | Type of Trade Code |
| 11 White | 1 New Construction |
| 12 African American | 2 Education/Training |
| 13 Asian | 3 Other (i.e. rehabilitation, administration, professional, public services) |
| 14 American Indian or Alaskan Native | |
| 15 Native Hawaiian or other Pacific Islander | |
| 16 American Indian or Alaskan Native and White | |
| 17 Asian and White | |
| 18 African American and White | |
| 19 American Indian or Alaskan Native and White | |
| 20 Other Multi-racial | |

b. The undersigned is:

- a sole proprietorship;
 a partnership;
 a corporation organized in the State of _____; or
 another organization (describe) _____

c. The name, title and address of the owners, partners or officers of the undersigned are (list any other legal names/doing business as (dba)):

NAME

TITLE

ADDRESS

- d. The names and addresses of all other persons, both natural and corporate, having a substantial interest in the undersigned and the nature of the interest, are: (indicate if NONE)

NAME ADDRESS NATURE OF INTEREST

- e. The names, addresses and trade classifications of all other building construction contractors in which the undersigned has a substantial interest are: (indicate if NONE)

NAME ADDRESS TRADE CLASSIFICATION

4. I hereby certify that I have the legal authority to complete and submit this document on behalf of:

- a. Name of Contractor: _____
- b. Signature (**in ink**): _____
- c. Typed or Printed Name: _____
- d. Title: _____
- e. Date: _____

WARNING: U.S. Criminal Code, Section 1010, Title 18, U.S.C. provides in part: "Whoever...makes, passes, utters or publishes any statement, knowing the same to be false...shall be fined under this title or imprisoned not more than two (2) years, or both."

CERTIFICATIONS

CIVIL RIGHTS

The undersigned is fully aware that this contract is wholly or partially federally funded, and further, agrees to abide by the:

Civil Rights Act of 1964, Title VI, as amended, that provides no person on the basis of Race, Color or National Origin shall be excluded from participation, denied program benefits or subjected to discrimination.

And, Civil Rights Act of 1968, Title VIII, as amended, will not discriminate in housing on the basis of Race, Color, Religion, Sex or National Origin.

And, Rehabilitation Act of 1973, Section 503, as amended, which prohibits discrimination against individuals with disabilities and requires government contractors to take affirmative action to employ and advance in employment qualified individuals with disabilities.

And, Housing and Community Development Act of 1974, Section 109, as amended, that no person shall be excluded from participation (including employment), denied program benefits or subjected to discrimination on the basis of Race, Color, National Origin, Sex, Age, Religion and Disability under any program or activity funded in whole or part under Title I (CDBG) of the Act.

And, Age Discrimination Act of 1975, as amended, that no person shall be excluded from participation, denied program benefits or subjected to discrimination on the basis of age under any program or activity receiving federal funds.

And, Americans with Disabilities Act of 1990, as amended, that no covered entity shall discriminate against a qualified individual on the basis of disability in regard to job application procedures, the hiring, advancement or discharge of employees, employee compensation, job training and other terms, conditions and privileges of employment.

And, Executive Order 11063, that no person shall, on the basis of Race, Color, Religion, Sex or National Origin, be discriminated against in housing and related facilities provided with federal assistance or lending practices with respect to residential property when such practices are connected with loans insured or guaranteed by the federal government.

And, Executive Order 11246, as amended, that no person shall be discriminated against, on the basis of Race, Color, Religion, Sex, Sexual Orientation, Gender Identity or National Origin, in any phase of employment during the performance of federal or federally assisted construction contracts awarded to contractors or subcontractors who do over \$10,000 in government business in one (1) year.

EQUAL EMPLOYMENT OPPORTUNITY

During the performance of the contract, the contractor agrees as follows:

1. The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The contractor will take affirmative action to ensure that applicants are employed and that employees are treated during employment, without regard to their race, color, religion, sex, sexual orientation, gender identity or national origin. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination clause.
2. The contractor will, in all solicitations or advancements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity or national origin.
3. The contractor will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing or action, including an investigation conducted by the employer, or is consistent with the contractor's legal duty to furnish information.
4. The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the agency contracting officer, advising the labor union or workers' representative of the contractor's commitments under Section 202 of Executive Order No.

11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

5. The contractor will comply with all provisions of Executive Order No. 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
6. The contractor will furnish all information and reports required by Executive Order No. 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations and orders.
7. In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of such rules, regulations, or orders, this contract may be cancelled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order No. 11246 of Sept. 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order No. 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
8. The contractor will include the provisions of paragraphs (1) through (8) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order No. 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as may be directed by the Secretary of Labor as a means of enforcing such provisions including sanctions for noncompliance: Provided, however, that in the event the contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction, the contractor may request the United States to enter into such litigation to protect the interests of the United States." [Sec. 202 amended by EO 11375 of Oct. 13, 1967, 32 FR 14303, 3 CFR, 1966-1970 Comp., p. 684, EO 12086 of Oct. 5, 1978, 43 FR 46501, 3 CFR, 1978 Comp., p. 230, EO 13665 of April 8, 2014, 79 FR 20749, EO 13672 of July 21, 2014, 79 FR 42971].

EQUAL OPPORTUNITY FOR WORKERS WITH DISABILITIES - SECTION 503

(if contract \$10,000 or over)

1. The Contractor will not discriminate against any employee or applicant for employment because of physical or mental disability in regard to any position for which the employee or applicant for employment is qualified. The Contractor agrees to take affirmative action to employ and advance in employment individuals with disabilities, and to treat qualified individuals without discrimination on the basis of their physical or mental disability in all employment practices including the following:
 - a) Recruitment, advertising and job application procedures;
 - b) Hiring, upgrading, promotion, award of tenure, demotion, transfer, layoff, termination, right of return from layoff and rehiring;
 - c) Rates of pay or any other form of compensation and changes in compensation;
 - d) Job assignments, job classifications, organizational structures, position descriptions, lines of progression and seniority lists;
 - e) Leaves of absence, sick leave or any other leave;
 - f) Selection and financial support for training including apprenticeship, professional meetings, conferences and other activities and selection for leaves of absence to pursue training;
 - g) Activities sponsored by the contractor including social or recreational programs; and
 - h) Any other term, condition or privilege of employment.
2. The Contractor agrees to comply with the rules, regulations and relevant orders of the Secretary of Labor issued pursuant to the Act.
3. In the event of the Contractor's non-compliance with the requirements of this clause, actions for non-compliance may be taken in accordance with the rules, regulations and relevant orders of the Secretary of Labor issued pursuant to the Act.
4. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices in a form to be prescribed by the Director, Office of Federal Contract Compliance Programs, provided by or through the contracting officer. Such notices shall state the rights of applicants and employees as well as the Contractor's obligation under the law to take affirmative action to employ and advance in employment qualified employees and applicants with disabilities. The Contractor must ensure that applicants or employees with disabilities are provided the notice in a form that is accessible and understandable to the individual applicant or employee (i.e. providing Braille or large print versions of the notice or posting a copy of the notice at a lower height for easy viewing by a person using a wheelchair). With respect to employees who do not work at a physical location of the Contractor, a Contractor will satisfy its posting obligations by posting such notices in an electronic format,

provided that the Contractor provides computers, or access to computers, that can access the electronic posting to such employees or the Contractor has actual knowledge that such employees otherwise are able to access the electronically posted notices. Electronic notices for employees must be posted in a conspicuous location and format on the company's intranet or sent by electronic mail to employees. An electronic posting must be used by the Contractor to notify job applicants of their rights if the Contractor utilizes an electronic application process. Such electronic applicant notice must be conspicuously stored with, or as part of, the electronic application.

5. The Contractor will notify each labor union or representative of workers with which it has a collective bargaining agreement or other contract understanding that the Contractor is bound by the terms of Section 503 of Rehabilitation Act of 1973, as amended, and is committed to take affirmative action to employ and advance in employment and shall not discriminate against individuals with physical or mental disabilities.
6. The Contractor must include the provisions of this clause in every subcontract or purchase order in excess of \$10,000 unless exempted by rules, regulations or orders of the Secretary issued pursuant to Section 503 of the Act, as amended, so that such provisions will be binding upon each subcontractor or vendor. The Contractor will take such action with respect to any subcontract or purchase order as the Director of the Office of Federal Contract Compliance Programs may direct to enforce such provisions, including action for non-compliance.
7. The Contractor must, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment and will not be discriminated against on the basis of disability.

PROCUREMENT OF RECOVERED MATERIALS

The undersigned is fully aware that this contract is wholly or partially federally funded and further by submission of this bid certifies that they will adhere to the requirements and specifications as outlined by the EPA at 40 CFR Part 247, Comprehensive Procurement Guideline for Products Containing Recovered Materials.

ACCESS TO RECORDS AND RECORDS RETENTION

The undersigned certifies, to the best of his or her knowledge and belief that:

1. The individual, sole proprietor, partnership, corporation and/or association agrees to permit the *Grantee, Consultants*, State of Arizona Department of Housing (ADOH), U. S. Department of Housing and Urban Development (HUD) and the Office of the Inspector General and/or their designated representatives to have access to all records for review, monitoring and audit during normal working hours.

2. The individual, sole proprietor, partnership, corporation and/or association agrees to retain all records for at least three (3) years following the grant contract closeout between HUD and ADOH or the resolution of all audit findings, whichever is later.

CONFLICT OF INTEREST

The undersigned is fully aware that this contract is wholly or partially federally funded and further, by submission of the bid or proposal that the individual or firm, certifies that:

1. There is no substantial interest, as defined by Arizona Revised Statute §§38-503 through 505, with any public official, employee, agency, commission or committee with the *Grantee or Consultants*.
3. Any substantial interest, as defined by Arizona Revised Statute §§38-503 through 505, with any public official, employee, agency, commission or committee (including members of their immediate family) with the *Grantee or Consultants* that develops at any time during this contract will be immediately disclosed to the *Grantee and Consultants*.

ANTI-LOBBYING

The undersigned certifies, to the best of his or her knowledge and belief, that:

1. No federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress or an employee of a Member of Congress in connection with the awarding of any federal contract, the making of any federal grant, the making of any federal loan, the entering into of any cooperative agreement and the extension, continuation, renewal, amendment or modification of any federal contract, grant, loan or cooperative agreement.
2. If any funds other than federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress or an employee of a Member of Congress in connection with this federal contract, grant, loan or cooperative agreement, the undersigned shall complete and submit Standard Form - LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
4. The undersigned shall require that the language of this Certification be included in the award documents for all sub-awards to all tiers (including subcontracts, sub-grants and contracts under grants, loans and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

BUILD AMERICA, BUY AMERICA ACT (BABA)

1. The undersigned agrees to comply with the Build America, Buy America Act (BABA) as outlined below:

a. “On November 15, 2021, the Build America, Buy America Act (the Act) was enacted as part of the Infrastructure Investment and Jobs Act (IIJA). Pub. L. 117-58. The Act establishes a domestic content procurement preference, the Buy American Preference (BAP), for Federal programs that permit Federal financial assistance to be used for infrastructure projects. In Section 70912, the Act further defines a project to include “the construction, alteration, maintenance, or repair of infrastructure in the United States” and includes within the definition of infrastructure those items traditionally included along with buildings and real property. Starting May 14, 2022, new awards of Federal financial assistance (FFA) from a program for infrastructure, and any of those funds obligated by the grantee, are covered under the Build America, Buy America (BABA) provisions of the Act, 41 U.S.C. 8301 note. The waiver, published March 15, 2023, establishes a phased implementation schedule for application of the BAP to covered materials and HUD programs.

The BAP is applicable now to iron and steel used in covered CDBG projects, i.e. for projects using funds obligated on or after November 15, 2022. For CPD, the BAP will apply next to iron and steel used in covered Recovery Housing Program (RHP) projects for funding obligated on or after August 23, 2023.

CERTIFICATIONS SIGNATURE FORM

Return this page with proposal.

These Certifications (Civil Rights, Equal Employment Opportunity, Equal Opportunity for Workers with Disabilities - Section 503, Procurement of Recovered Materials, Access to Records and Records Retention, Conflict of Interest, Anti-Lobbying) are a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of these Certifications is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U. S. Code. Any person who fails to file the required Certifications shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

(Typed/Printed Name of Official)

(Signature of Official)

(Typed/Printed Name of Firm)

(Date)

APPENDIX A:

**Project Technical Specifications
and Engineering Documentation**

These Technical Specifications supplement the Maricopa Association of Governments Uniform Standards and Details for Public Works Construction, and more fully describe the respective line items of construction work involved with the project. All provisions that are not supplemented remain in full force and effect.

REFERENCED STANDARDS

The construction of the project shall be in accordance with the following standards:

- Uniform Standard Specifications and Details for Public Works Construction, 2024 Revision to the 2020 Edition, Maricopa Association of Governments (MAG).
- Arizona Department of Transportation, Standard Specifications for Road and Bridge Construction, 2021 Edition, latest revision.
- Manual on Uniform Traffic Control Devices (MUTCD), latest revision.
- Arizona Supplement to the MUTCD, ADOT, latest revision.
- Maricopa County Traffic Control Manual, September 2015, latest revision.
- Maricopa County Pavement Marking Manual, April 28, 2020, latest revision.

GEOTECHNICAL EVALUATION & REPORT

No geotechnical investigation or evaluation was conducted for this project. Bidders/contractors shall satisfy themselves as to the local site conditions through close and careful site reconnaissance and performing any testing needed to prepare the bid and for construction of the project.

COMPLIANCE WITH NOISE ORDINANCE

Construction work shall be scheduled to comply with the Town's Noise Ordinance and other applicable ordinances, rules, and regulations pertaining to construction activities.

LINE ITEMS OF WORK

The various line items of construction work involved with the project, including the measurement and payment provisions, are set forth in the Bid Schedule and are hereby described and defined starting on the next page.

Project Overview

The Keystone Stairs are located on the northerly extension of Keystone Avenue in the Town of Miami. There are 15 staircases with 149 concrete steps. The staircases are separated by concrete walkway ramps of varying lengths. The width of the stairs and walkways vary but are predominantly 5 feet in width. The total horizontal length of the concrete stairs and walkways is approximately 409 linear feet. The route starts at Gibson Street, crosses Roosevelt Street, and terminates at the extension of Miami Avenue.

The condition of the individual staircases and walkway ramps range from poor to fair condition. The intent of the project is to renovate the surfaces of staircases to bring the overall length of concrete stairs and walkway pavements to good serviceable condition free of surface defects and potential trip hazards.

The Keystone Stairs Renovation Project generally consists of concrete staircase renovation, concrete staircase construction, concrete walkway renovation, concrete walkway construction, curb and gutter construction, retaining wall construction, and associated and miscellaneous construction work.

MAG Standard Specifications & Details

The following listing identifies MAG Standard Specification sections and Standard Details applicable and pertinent to this project.

| <i>Spec. Section</i> | <i>Section Title</i> |
|----------------------|---|
| 201 | Clearing and Grubbin |
| 206 | Structure Excavation and Backfill |
| 211 | Fill Construction |
| 301 | Subgrade Preparation |
| 310 | Placement and Compaction of Aggregate Base Course |
| 336 | Pavement Matching and Surfacing Replacement |
| 340 | Concrete Curb, Gutter, Sidewalk, Curb Ramps, Driveway and Alley Entrances |
| 345 | Adjusting Frames, Covers and Valve Boxes |
| 350 | Removal of Existing Improvements |
| 401 | Traffic Control |
| 505 | Concrete Structures |
| 702 | Base Materials |
| 725 | Portland Cement Concrete |
| 726 | Concrete Curing Materials |
| 727 | Steel Reinforcement |
| 728 | Controlled Low Strength Material |
| 729 | Expansion Joint Filler |
| <i>Detail No.</i> | <i>Standard Detail Title</i> |
| 222 | Single Curb, Type B |
| 260 | Retrofit Driveway or Alley Entrance (With 2" Roll Curb and Gutter) |

1. STAIRCASE REPAIR & RESURFACING

Description:

The Contractor shall repair and resurface the existing concrete stair surfaces to present a uniform, level, and slip resistant stair tread surface, and to equalize to the greatest extent possible the riser height of the stairs, either for the entire height of the staircase or for groups of stairs with a similar height, as set forth herein and as shown on the plans. The intent of the work is that, when completed, the staircase should appear similar to new construction.

Materials:

- **Sikadur-35 Hi-Mod LV** – a high modulus, low viscosity, high strength epoxy grouting, sealing, and binder adhesive, or approved equivalent.
- **Sikadur-52** – an advanced, very low viscosity, moisture tolerant, epoxy injection adhesive, or approved equivalent.
- **QuiKrete Quick-Setting Cement, Project No. 1240** – a Portland Cement based product specifically formulated for making structural repairs to vertical and horizontal surfaces, or approved equivalent.
- **QuiKrete Concrete Acrylic Fortifier, Project No. 8610** – a highly water-resistant acrylic resin formulation designed as a bonding agent admixture for Portland Cement coatings, or approved equivalent.
- **SikaRepair-222** – a one-component, early strength gaining, cementitious patching material, or approved equivalent.

Execution:

1. Power wash and thoroughly clean the horizontal and vertical surfaces of the staircase removing all dirt and loose materials.
2. Prepare the staircase by filling and sealing the existing cracks with an epoxy grout, sealant, adhesive.
3. Repair spalled, broken, and chipped areas with a material such as QuiKrete quick-setting cement with QuiKrete acrylic fortifier.

The Contractor shall use this concrete material to fill, patch, and smooth the spalled, chipped, and broken areas of the steps in accordance with the manufacturer's recommendations. The material will achieve a high strength in a short period of time. Where the concrete surface may have faulted, the fast-setting concrete mix shall also be used to rebuild the stair(s) to match the adjacent sections of staircase.

4. Resurface and refinish all horizontal and vertical surfaces of the staircase with the application of a **3/8-inch minimum thickness** of a concrete finishing product (such as SikaRepair 222).

The Contractor shall resurface and refinish the entire surface of the staircase including top and bottom landings, all risers, and all treads. Application of SikaRepair 222 shall be in accordance with the manufacturer's recommendations and instructions. The objective is to provide a new stair wearing surface with good traction and slip resistance. The end result shall be a staircase that looks like new and extends the life of the existing concrete steps.

Additional work required for Staircase A:

1. Construct a new concrete curb wall along the west side of the lower five (5) steps to match the cross-section of the west curb wall along the higher steps.
2. Protect in place the existing galvanized pipe at the base of the 5th stair.
3. Protect in place the existing handrails.
4. Remove the handrail post base located at the bottom of the staircase on the east side.
5. Protect in place the existing drain pipe penetrating the top step and level the west end of the top step above the drain pipe with the specified concrete repair and resurfacing materials.

This additional work for Staircase A shall be included in the bid price for this item of construction work and spread across the total square footage. The work will not be measured or paid for separately.

Measurement:

Measurement will be based on the square feet (SF) of existing staircase satisfactorily repaired and resurfaced.

Payment:

Payment will be made at the bid unit price per square feet (SF) based on the measured quantity.

2. STAIRCASE B EXTENSION, 6 STAIRS

Description:

The Contractor shall construct the new six (6) step staircase at the top of **Staircase B** as set forth herein and as shown on the plans. Staircase widths are shown on the plans.

Materials:

- **Concrete** – Class AA, 4000 psi, concrete.

Execution:

1. Construct the new six (6) step staircase at the top of **Staircase B** per the step details shown on the plans.
2. All new stairs/staircases constructed shall have 6-inch wide curbs on each side of the staircase as shown on the staircase construction details.
3. All risers shall be the same height at 7-inches.
4. All treads shall be the same depth at 12-inches.
5. Reinforcing steel to have 2-inch clearance to concrete edges.

Note:

- Handrails are not a part of this contract. Installation of handrails will be made under a future project.

Measurement:

Measurement shall be on a lump sum (LS) basis for all labor, equipment, tools, materials, rentals, and supplies required for the satisfactorily completion of the 6-step **Staircase B** extension.

Payment:

Payment shall be made on the established lump sum (LS) amount set forth in the bid schedule, which amount shall be considered full compensation for the all work associated with this bid item, whether specifically stated or not.

3. STAIRCASE H EXTENSION, 5 STAIRS

Description:

The Contractor shall construct the new five (5) step staircase at the top of **Staircase H** as set forth herein and as shown on the plans. Staircase widths are shown on the plans.

Materials:

- **Concrete** – Class AA, 4000 psi, concrete.

Execution:

1. Construct the new five (5) step staircase at the top of **Staircase H** per the step details shown on the plans.
2. All new stairs/staircases constructed shall have 6-inch wide curbs on each side of the staircase as shown on the staircase construction details.
3. All risers shall be the same height at 7-inches.
4. All treads shall be the same depth at 12-inches.
5. Reinforcing steel to have 2-inch clearance to concrete edges.

Note:

- Handrails are not a part of this contract. Installation of handrails will be made under a future project.

Measurement:

Measurement shall be on a lump sum (LS) basis for all labor, equipment, tools, materials, rentals, and supplies required for the satisfactorily completion of the 5-step **Staircase H** extension.

Payment:

Payment shall be made on the established lump sum (LS) amount set forth in the bid schedule, which amount shall be considered full compensation for the all work associated with this bid item, whether specifically stated or not.

4. STAIRCASE L EXTENSION, 2 STAIRS

Description:

The Contractor shall construct the new two (5) step staircase at the top of **Staircase L** as set forth herein and as shown on the plans. Staircase widths are shown on the plans.

Materials:

- **Concrete** – Class AA, 4000 psi, concrete.

Execution:

1. Construct the new two (2) step staircase at the top of **Staircase L** per the step details shown on the plans.
2. All new stairs/staircases constructed shall have 6-inch wide curbs on each side of the staircase as shown on the staircase construction details.
3. All risers shall be the same height at 7-inches.
4. All treads shall be the same depth at 12-inches.
5. Reinforcing steel to have 2-inch clearance to concrete edges.

Note:

- Handrails are not a part of this contract. Installation of handrails will be made under a future project.

Measurement:

Measurement shall be on a lump sum (LS) basis for all labor, equipment, tools, materials, rentals, and supplies required for the satisfactorily completion of the 2-step **Staircase L** extension.

Payment:

Payment shall be made on the established lump sum (LS) amount set forth in the bid schedule, which amount shall be considered full compensation for the all work associated with this bid item, whether specifically stated or not.

5. STAIRCASE O REPLACEMENT, 11 STAIRS

Description:

The Contractor shall construct the new eleven (11) step staircase to replace **Staircase O** as set forth herein and as shown on the plans. Staircase widths are shown on the plans.

Materials:

- **Concrete** – Class AA, 4000 psi, concrete.

Execution:

1. Remove the existing staircase in its entirety along with any adjacent walkway concrete pavement necessary for the construction of the new replacement staircase. Transport and properly dispose of the concrete rubble at a legal disposal site for that type of material.
2. Construct the new eleven (11) step staircase to replace **Staircase O** per the step details shown on the plans.
3. All new stairs/staircases constructed shall have 6-inch wide curbs on each side of the staircase as shown on the staircase construction details.
4. All risers shall be the same height at 7-inches.
5. All treads shall be the same depth at 12-inches.
6. Reinforcing steel to have 2-inch clearance to concrete edges.

Note:

- Handrails are not a part of this contract. Installation of handrails will be made under a future project.

Measurement:

Measurement shall be on a lump sum (LS) basis for all labor, equipment, tools, materials, rentals, and supplies required for the satisfactory removal, replacement, and completion of the 11-step **Staircase O** replacement construction.

Payment:

Payment shall be made on the established lump sum (LS) amount set forth in the bid schedule, which amount shall be considered full compensation for the all work associated with this bid item, whether specifically stated or not.

6. STAIRCASE CURB WALL CONSTRUCTION

Description:

The Contractor shall construct a new 6" wide curb wall along the **east edge** of these staircases:

- **Staircase H**
- **Staircase I**
- **Staircase J**
- **Staircase K**
- **Staircase L**

The purpose of the curb walls is to help prevent rock and dirt from washing onto the staircase during heavy rainfall events.

Materials:

- **Concrete** – Class AA, 4000 psi, concrete.

Execution:

1. Excavate the earth slope along the east side of the staircase over a 2-feet to 3-feet width as needed so the earth surface is 2-inches below the staircase surface along its length. The excavated materials can be wasted on site near the staircases and walkways and used to fill any adjacent eroded areas.
2. After the staircase has been power washed and cleaned under the STAIRCASE REPAIR & RESURFACING BID ITEM, construct a concrete curb wall on top of the existing concrete along the east edge of the staircase. The new staircase curb wall shall measure 6-inches wide and have a minimum vertical height above the staircase treads of 5-inches per the staircase construction detail shown on the plans.
3. The new curb wall shall be constructed around any existing handrail posts embedding the posts within the concrete.

Measurement:

Measurement shall be based on the linear feet (LF) of satisfactorily completed staircase curb wall construction on existing staircase concrete.

Payment:

Payment will be made at the bid unit price per linear feet (LF) based on the measured quantity.

7. STAIRCASE REMOVAL, 5 STAIRS

Description:

The Contractor shall completely remove the five (5) step staircase that intersects the walkway between Staircase B and Roosevelt Street as set forth herein and as shown on the plans. Staircase location and dimensions are shown on the plans.

Materials:

- None.

Execution:

1. Remove the intersecting concrete staircase in its entirety.
2. Also remove the single concrete step at the south edge of Roosevelt Street.
3. Transport and properly dispose of the concrete rubble at a legal disposal site for that type of material.

Measurement:

Measurement shall be on a lump sum (LS) basis for all labor, equipment, tools, materials, rentals, and supplies required for the satisfactory removal and disposal of the existing intersecting 5-step staircase and the single step located on the south side of Roosevelt Street.

Payment:

Payment shall be made on the established lump sum (LS) amount set forth in the bid schedule, which amount shall be considered full compensation for the all work associated with this bid item, whether specifically stated or not.

8. WALKWAY REPAIR & RESURFACING

Description:

The Contractor shall repair and resurface the existing concrete surfaces of these walkways:

- **Walkway between Staircase E & Staircase F**
- **Walkway between Staircase I and Staircase J**
- **Walkway between Staircase J and Staircase K**
- **Walkway between Staircase K and Staircase L**
- **Walkway between Staircase M and Staircase N**
- **Walkway between Staircase N and Staircase O**

The walkway repair and resurfacing shall present a uniform, level, and slip resistant walkway surface as set forth herein and as shown on the plans. The intent of the work is that, when completed, the refinished walkway should appear similar to new construction.

Materials:

- **Sikadur-35 Hi-Mod LV** – a high modulus, low viscosity, high strength epoxy grouting, sealing, and binder adhesive, or approved equivalent.
- **Sikadur-52** – an advanced, very low viscosity, moisture tolerant, epoxy injection adhesive, or approved equivalent.
- **QuiKrete Quick-Setting Cement, Project No. 1240** – a Portland Cement based product specifically formulated for making structural repairs to vertical and horizontal surfaces, or approved equivalent.
- **QuiKrete Concrete Acrylic Fortifier, Project No. 8610** – a highly water resistant acrylic resin formulation designed as a bonding agent admixture for Portland Cement coatings, or approved equivalent.
- **SikaRepair-222** – a one-component, early strength gaining, cementitious patching material, or approved equivalent.

Execution:

1. Power wash and thoroughly clean the concrete surface of the walkways removing all dirt and loose materials.
2. Prepare the walkway by filling and sealing the existing cracks with an epoxy grout, sealant, adhesive.
3. Repair spalled, broken, and chipped areas with a material such as QuiKrete quick-setting cement with QuiKrete acrylic fortifier.

The Contractor shall use this concrete material to fill, patch, and smooth the spalled, chipped, and broken areas of the walkways in accordance with the manufacturer's recommendations. The material will achieve a high strength in a short period of time.

Where the concrete surface may have faulted, the fast setting concrete mix shall also be used to rebuild the walkway to match the adjacent sections of concrete.

4. Resurface and refinish the concrete surface of the walkways with the application of a **5/8-inch minimum thickness** of a concrete finishing product (such as SikaRepair 222).

5. Walkway finish shall be a heavy broom finish due the steepness of most of the walkway ramps.
6. Sawcut or hand tool contraction joints in the refinished walkway surface where shown on the plans and in accordance with the following guidelines:
 - Directly above any existing construction joint.
 - At intervals not to exceed 7.5-feet.
 - Equally spaced between staircases.

The Contractor shall resurface and refinish the entire surface of the walkway for the full length between the staircases. Application of SikaRepair 222 shall be in accordance with the manufacturer's recommendations and instructions. The objective is to provide a new even and smooth walkway wearing surface with good traction and slip resistance. The end result shall be a walkway that looks like new and extends the life of the existing concrete.

Measurement:

Measurement will be based on the square feet (SF) of existing walkway satisfactorily repaired and resurfaced.

Payment:

Payment will be made at the bid unit price per square feet (SF) based on the measured quantity.

9. WALKWAY CONCRETE REMOVAL

The Contractor shall remove existing concrete walkways as set forth herein and as shown on the plans at these locations:

- **Walkway from Gibson Street to Staircase A**
- **Walkway from Staircase A to Staircase B**
- **Walkway from Staircase B to Roosevelt Street**
- **Walkway from Staircase F to Staircase G**
- **Approximately three (3) LF of the walkway at the base of Staircase I**
- **Approximately three (3) LF of the walkway at the base of Staircase M**

Walkway lengths and widths area shown on the plans.

Materials:

None

Execution:

1. Remove the concrete walkway pavement for the full length and width between abutting staircases.
2. Where designated, salvage suitable sized broken concrete pieces for use in constructing the extension of the dry stack concrete retaining wall on the west side of **Staircase B**.
3. Transport and properly dispose of all the concrete rubble not used for the retaining wall extension at a legal disposal site for that type of material.

Measurement:

Measurement will be based on the square feet (SF) of existing walkway satisfactorily removed and disposed of at a landfill or other legal disposal site.

Payment:

Payment will be made at the bid unit price per square feet (SF) based on the measured quantity.

10. WALKWAY CONSTRUCTION

Description:

The Contractor shall construct new walkway concrete pavements as set forth herein and as shown on the plans. The following locations are included:

- **Walkway from Gibson Street to Staircase A (on prepared subgrade)**
- **Walkway from Staircase A to Staircase B (on prepared subgrade)**
- **Walkway between the bottom stoop of Staircase C and the new single curb along the north side of Roosevelt Street (on prepared subgrade)**
- **Walkway from Staircase D to Staircase E (constructed on top of the existing walkway)**
- **Walkway from Staircase F to Staircase G (on prepared subgrade)**

Materials:

- **Concrete** – Class AA, 4,000 psi, concrete
- **Joint Sealant** – **Sikaflex-1A**, elastomeric joint sealant and adhesive, or approved equivalent
- **Curing Compound** – **WR Meadows 1100**, resin-based, water emulsion, **clear** concrete curing compound, or approved equivalent.
- **Sikadur-35 Hi-Mod LV** – a high modulus, low viscosity, high strength epoxy grouting, sealing, and binder adhesive, or approved equivalent.
- **Sikadur-52** – an advanced, very low viscosity, moisture tolerant, epoxy injection adhesive, or approved equivalent.

Execution:

For new walkways on prepared subgrades...

1. Prepare the subgrade by scarifying to a 6-inch depth and recompact to 100% standard proctor density (ASTM D698) – where applicable.
2. Install 1/2-inch expansion joint material against buildings, existing concrete on ends, new steps, and around the power poles and guy anchors – where applicable.
3. Construct replacement concrete pavement, 5-inch thick, with Class AA, 4,000 psi, concrete on the prepared subgrade.
 - Apply a clear concrete curing compound to the surface of the concrete per the manufacturer's recommendations and ensuring full coverage on all exposed surfaces.
4. Walkway finish shall be heavy broom finish for good traction and slip protection due to the steepness of the walkway ramp slopes.
 - For the walkway from **Gibson Street to Staircase A** only, the walkway finish can be medium broom finish due to its relatively flat profile.
5. Sawcut or hand tool contraction joints in the concrete where shown on the plans.
 - Seal the contraction joints with SikaFlex-1A elastomeric joint sealant per the manufacturer's instructions.

For new walkways on existing walkway pavements...

1. Power wash and thoroughly clean the walkway surface and remove all dirt and loose materials.

2. Prepare the walkway surface by filling and sealing the existing cracks with an epoxy grout/sealant/adhesive (such as Sikadur 35 Hi-Mod LV or Sikadur-52).
3. Construct a new concrete walkway pavement, approximately 7-inches average thickness, on top of the existing concrete walkway surface.
 - Start the new concrete walkway 12-inches from the top of the last step on lower staircase, creating a new top step for that staircase.
 - End the new concrete walkway by matching into the tread surface of the bottom step of upper staircase eliminating the lowest step for that staircase.
4. Walkway finish shall be a heavy broom finish due to its steepness.
5. Sawcut or hand tool contraction joints in the concrete where shown on the plans.
 - Seal the contraction joints with SikaFlex-1A elastomeric joint sealant per the manufacturer's instructions.
6. For the walkway from Staircase D to Staircase E only, fill the space created between the new walkway and the stacked rock retaining wall on the east side, and between the new walkway and the sloping ground surface on the west side, with river rock ranging in size from 1-inch to 3" nominal diameter. river rock fill to be flush with the surface of the new walkway and stairs. This additional work shall be included in the bid price for this item of construction work and spread across the total square footage. The work will not be measured or paid for separately.

Measurement:

Measurement will be based on the square feet (SF) of satisfactorily completed new concrete walkway construction.

Payment:

Payment will be made at the bid unit price per square feet (SF) based on the measured quantity.

11. WALKWAY CONSTRUCTION WITH CURB WALL

The Contractor shall construct new walkway concrete pavements, with a curb wall along the east walkway edge, as set forth herein and as shown on the plans. The following locations are included:

- **Walkway from Staircase G to Staircase H (constructed on top of existing concrete walkway)**
- **Walkway from top of extended Staircase H to bottom of Staircase I (thickened concrete section constructed on top of existing concrete walkway except for last 3 feet +/-)**
- **Walkway from the top of extended Staircase L to bottom of Staircase M (thickened concrete section constructed on top of existing concrete walkway except for last 3 feet +/-)**

Materials:

- **Concrete** – Class AA, 4,000 psi, concrete
- **Joint Sealant** – **Sikaflex-1A**, elastomeric joint sealant and adhesive, or approved equivalent
- **Curing Compound** – **WR Meadows 1100**, resin-based, water emulsion, **clear** concrete curing compound, or approved equivalent.
- **Sikadur-35 Hi-Mod LV** – a high modulus, low viscosity, high strength epoxy grouting, sealing, and binder adhesive, or approved equivalent.
- **Sikadur-52** – an advanced, very low viscosity, moisture tolerant, epoxy injection adhesive, or approved equivalent.

Execution:

For new walkways with curb walls constructed on existing walkway pavements...

1. Power wash and thoroughly clean the walkway surface and remove all dirt and loose materials.
2. Prepare the walkway surface by filling and sealing the existing cracks with an epoxy grout/sealant/adhesive (such as Sikadur 35 Hi-Mod LV or Sikadur-52).
3. For the **Walkway from Staircase G to Staircase H**, construct a new concrete walkway pavement, approximately 7-inches average thickness, on top of the existing concrete walkway surface.
 - Start the new concrete walkway 12-inches from the top of the last step on lower staircase, creating a new top step for that staircase.
 - End the new concrete walkway by matching into the tread surface of the bottom step of upper staircase eliminating the lowest step for that staircase.
4. **For the two walkways from the top of extended staircases to the bottom of the upper staircases**, construct the new concrete walkway pavement on top of the existing concrete walkway surface.
 - The walkway thickness/depth varies across the length due to the extended steps creating thicker concrete sections that reduce in thickness as it approaches the tie-in point at the upper staircase.
 - The last three feet, plus or minus, constructed on prepared subgrade, shall be completed in accordance with the execution guidelines as set forth in the previous bid item.

5. The new concrete walkway shall have a **6-inch wide x 6-inch high curb wall integrally poured along its east edge** to help keep rock and dirt from washing onto the walkway surface.
6. Walkway finish shall be a heavy broom finish due to its steepness.
7. Sawcut or hand tool contraction joints in the concrete where shown on the plans.
 - Seal the contraction joints with SikaFlex-1A elastomeric joint sealant per the manufacturer's instructions.

Measurement:

Measurement will be based on the square feet (SF) of satisfactorily completed new concrete walkway construction.

Payment:

Payment will be made at the bid unit price per square feet (SF) based on the measured quantity.

12. WALKWAY CURB WALL CONSTRUCTION

Description:

The Contractor shall construct a new 6" wide by 6" high curb wall along the **east edge** of these existing walkways:

- **Walkway from Staircase J to Staircase K**
- **Walkway from Staircase K to Staircase L**

The purpose of the curb walls is to help prevent rock and dirt from washing onto the staircase during heavy rainfall events.

Materials:

- **Concrete** – Class AA, 4000 psi, concrete.

Execution:

1. Excavate the earth slope along the east side of the walkway over a 2-foot to 3-foot width as needed so the earth surface is 2-inches below the existing walkway surface along its entire length. The excavated materials can be wasted on site near the staircases and walkways and used to fill any adjacent eroded areas.
2. After the staircase has been power washed and cleaned under the WALKWAY REPAIR & RESURFACING BID ITEM, construct a concrete curb wall on top of the existing concrete along the east edge of the walkway. The new walkway curb wall shall measure 6-inches wide and 6-inches high.

Measurement:

Measurement shall be based on the linear feet (LF) of satisfactorily completed walkway curb wall construction on existing walkway concrete.

Payment:

Payment will be made at the bid unit price per linear feet (LF) based on the measured quantity.

13. UNDERLYING VOID, FILL WITH CLSM

Description:

The Contractor shall fill existing voids beneath the staircase and walkway ramp pavements at these locations:

- **Behind the existing 5-step staircase to be removed that intersects with the walkway on the south side of Roosevelt Street**
- **Beneath Staircase C and its top landing facing Roosevelt Street**
- **Beneath Staircase E**
- **Beneath Staircase F**
- **Beneath Staircase I**
- **Beneath Walkway between Staircase I and Staircase J**

The purpose of filling the voids is to check erosion and extend the life of the staircase and walkways.

Materials:

- **Controlled Low Strength Material (CLSM)**, 2-sack cement mix – MAG Specification Section 728
- **Curing Compound – WR Meadows 1100**, resin-based, water emulsion, clear concrete curing compound, or approved equivalent.

Execution:

1. Clean out debris, rocks, dirt, and other loose materials from the void area.
 - Beneath Staircase C, clean out area to be flush with the Roosevelt Street pavement surface.
2. Place forms along the vertical faces of the staircase or walkway edges to hold the flowable CLSM until it's set.
3. Pump into the 2-sack cement CLSM into the void behind the forms to completely fill the void.
4. Remove the temporary forms when the CLSM has set firm enough to stand on its own without damage, but no sooner than 48 hours after the filling operation has ceased.
5. Apply a clear concrete curing compound to the exposed CLSM surface.

Measurement:

Measurement shall be based on the cubic yards (CY) of satisfactorily completed filling of the void spaces beneath the staircases, walkways, and other identified areas.

Payment:

Payment will be made at the bid unit price per cubic yard (CY) based on the measured quantity.

14. ROLL CURB, 2" CURB HT, CONSTRUCTION

Description:

The Contractor shall construct a 2-inch high roll curb as set forth herein and as shown on the plans, at the following two locations.

- South side of Roosevelt Street
- South side of Miami Avenue

The purpose of the 2" roll curb and gutter is stabilize the edge of the road, to check erosion, and to direct runoff away from the intersecting staircases.

Materials:

- **Concrete** – Class AA, 4000 psi, concrete.

Execution:

1. Construct a 2- inch high roll curb per MAG Standard Detail 260 on the compacted structural fill.
 - The structural fill is constructed and compacted under a separate bid item.
2. Construction of the 2" high concrete roll curb shall be in accordance with MAG Standard Specification Section 340.
3. The work shall include all materials, equipment, and labor costs to furnish, place, install, and construct the 2" roll curb & gutter sections per the plans and specifications.
4. Install a 1/2-inch thick expansion joint between the staircase concrete and the roll curb concrete.
5. At Roosevelt Street, using new asphalt material, fill in and repair the existing asphalt pavement along the edges of the roll curb to transition into and match existing asphalt surfaces.
6. At the extension of Miami Avenue, furnish and compact aggregate base material along the edges of the roll curb to transition into and match into the existing road and ground surfaces. Grade and shape the granular road surface as needed to a smooth and even cross-section through the work area.
7. Transition the 2-inch roll curb height to a 0-inch ribbon curb over the last 1-foot on each end of the curb and gutter section.

Note: Furnishing materials and constructing the asphalt repair and crushed rock repair for the two roads shall be included in the bid price for this item of construction work and spread across the total linear footage. The work will not be measured or paid for separately.

Measurement:

Measurement will be based on the linear feet (LF) of satisfactorily completed new 2" roll curb and gutter sections.

Payment:

Payment will be made at the bid unit price per linear feet (LF) based on the measured quantity.

15. SINGLE CURB, 8" CURB HT, CONSTRUCTION

Description:

The Contractor shall construct an 8-inch high single curb, MAG 222 Type B, as set forth herein and as shown on the plans, along the north side of Roosevelt Street.

The purpose of the 8-inch roll curb and gutter is stabilize the edge of the road and to help alleviate rock and dirt from washing onto the street pavement.

Materials:

- **Concrete** – Class AA, 4000 psi, concrete.

Execution:

1. Construct an 8-inch high Type B single curb per MAG Standard Detail 222 on as comp compacted subgrade.
 - Prepare the subgrade by scarifying to a 6-inch depth and recompact to 100% standard proctor density (ASTM D698).
2. Construction of the 8" high concrete single curb shall be in accordance with MAG Standard Specification Section 340.
3. The work shall include all materials, equipment, and labor costs to furnish, place, install, and construct the 8" high single Type B curb per the plans and specifications.
4. At Roosevelt Street, using new asphalt material, fill in and repair the existing asphalt pavement along the edge of the single curb to transition into and match existing asphalt surface.
5. Transition the 8-inch single curb height to a 0-inch single curb height over the last 1-foot on each end of the curb section.

Note: Furnishing materials and constructing the asphalt repair for the road shall be included in the bid price for this item of construction work and spread across the total linear footage. The work will not be measured or paid for separately.

Measurement:

Measurement will be based on the linear feet (LF) of satisfactorily completed new 8" single Type B curb.

Payment:

Payment will be made at the bid unit price per linear feet (LF) based on the measured quantity.

16. WOOD RETAINING WALL REMOVAL

Description:

The Contractor shall completely remove the existing wood retaining wall located on the north side of Roosevelt Street and on the east side of Staircase C as set forth herein and as shown on the plans.

Materials:

- None.

Execution:

1. Remove the wood retaining wall in its entirety.
2. Transport and properly dispose of the removed materials at a legal disposal site for that type of material.

Measurement:

Measurement shall be on a lump sum (LS) basis for all labor, equipment, tools, materials, rentals, and supplies required for the satisfactory removal and disposal of the existing retaining wall located on the north side of Roosevelt Street.

Payment:

Payment shall be made on the established lump sum (LS) amount set forth in the bid schedule, which amount shall be considered full compensation for the all work associated with this bid item, whether specifically stated or not.

17. SEGMENTAL BLOCK WALL CONSTRUCTION

Description:

The Contractor shall construct a new 30-inch high segmental block retaining wall as set forth herein and as shown on the plans. Its purpose is to replace the removed wood retaining walls that is in poor condition.

Materials:

- **Segmental Blocks** – The segmental blocks shall be a commercially available block intended to simulate a natural rock wall.

Blocks shall be colored to blend with the surrounding landscape. Colors shall be an earthtone desert palette colors. Color may be achieved by the use of colored concrete or surface staining.

A minimum of 3 colors shall be used to present a uniform appearance. Submit block pattern, colors, and method of achieving colors to the Town for approval a minimum of 2 weeks prior to fabrication.

The Contractor shall inspect all materials delivered to the site to assure the specified type, grade, color, and texture of the segmental block retaining wall units have been received. Segmental block units shall be sound and free of cracks or other defects that would interfere with the proper placement of the units or significantly impact the strength or permanence of the structure. Units showing cracks longer than 1/2 inch shall not be used within the wall.

- **Aggregate** – Aggregate shall be aggregate base materials per MAG Section 702

Execution:

1. The Contractor shall consult with an approved wall manufacturer to obtain construction plans, details, and all the necessary instructions and specifications needed to install the gravity segmental block retaining wall to the height, length, and configuration shown on the plans. The construction plans shall be forwarded to the Town and Engineer a minimum of 2 weeks in advance of construction for approval. Segmental block retaining wall construction plans and details shall include plan and elevation views, typical cross sections, and the quantity of blocks required.
2. The Contractor shall perform the required excavation to the leveling pad elevation.
3. Subgrade preparation shall be in accordance with the requirements of MAG Section 301, Subgrade Preparation. The subgrade shall be scarified to a depth of 6-inches and then moisture conditioned and compacted to at least 95% of the maximum dry density for the material and within the range of plus or minus 2% of the optimum moisture content per ASTM D698C.
4. A granular leveling pad is required for the gravity segmental block retaining wall system. The minimum embedment depth to the top of the leveling pad shall be 1 foot. The leveling pad shall be constructed using granular material conforming to MAG Specifications Section 310, Placement and Construction of Aggregate Base Course. The aggregate base course shall be moisture conditioned and compacted to at 100% of the maximum dry density for the material and within the range of plus or minus 2% of the optimum moisture content per ASTM D698C.
5. Drainage pipe shall be perforated or slotted PVC pipe or corrugated HDPT pipe and drainage fill material for the gravity segmental block wall shall be uniformly graded granular material meeting the criteria set forth by the wall block manufacturer.
6. The Contractor shall furnish and install segmental block retaining wall units to the lines, grade, and heights shown on the plans.

7. Excavation and backfill required for the construction of the retaining wall is included in this bid item. Any and all earthwork needed to be completed for the construction of the segmented block retaining walls shall be included in the bid-contract unit price. This earthwork is considered subsidiary and incidental to this line item of construction work. Site preparation and furnishing and installing appurtenant materials required for construction of the segmental block retaining wall as shown on the plans are also included.
8. Segmental block retaining wall unit installation shall be installed at the proper elevation and orientation as shown on the plans and in accordance with the manufacturer's recommendations for sequence of the units, drainage materials, and backfill courses. Typically the maximum stacked vertical height of wall units prior to unit drainage fill and backfill placement and compaction shall not exceed two courses.
9. Layout of curves and corners shall be installed in accordance with the plans. Walls meeting at corners shall be interlocked and continuous.
10. The first course of blocks shall be leveled side-to-side, front-to-rear, and with adjacent units, and aligned to ensure intimate contact with the leveling pad. Excess debris shall be cleaned from the top of units before installation of the next course. Damaged units shall be replaced immediately with new units during construction. All block units shall have positive horizontal interlock and shear/connecting devices shall be installed according to the manufacturer's recommendations.
11. Drainage aggregate shall be installed per the block manufacturer's plans and instructions. All voids between and within retaining wall block units shall be filled with drainage aggregate. Drainage fill shall be placed to the thickness and depth shown on the plans behind the units and have a minimum depth of 12-inches. Drainage collection pipes shall be installed to maintain gravity flow of water. The drainage collection pipe shall be outlet above grade at the east end of the wall. A screen shall be placed over the outlet end.
12. Backfill shall be placed in maximum compacted layers of 8-inches. Only hand operated compaction equipment is allowed within 3-feet of the back of the block units. The backfill shall be moisture conditioned and compacted to at least 95% of the maximum dry density for the material and within the range of plus or minus 2% of the optimum moisture content per ASTM D698C. At the end of the day, the Contractor shall slope the last level of backfill away from the wall units and shall not allow surface runoff from adjacent areas to enter the wall construction site. At completion of the wall construction, final backfill shall be placed to the lines and grades shown on the plans.
13. The Contractor shall ensure that the top cap units are properly aligned and glued to the underlying block units with a suitable, flexible, high-strength, all-weather adhesive recommended by the block unit manufacturer. Cap units may be cut if needed to ensure the proper fit.
14. All excavation, materials, tools, labor, and any other incidentals necessary to build the wall as prescribed by the wall manufacturer shall be included in the contract unit price per linear foot for gravity segmental block retaining wall. All associated costs for furnishing and installing the wall in-place and complete including developing and providing construction plans, preparing the subgrade, constructing the leveling pad, installing the segmental concrete blocks, placing the granular drainage material, backfill to bring the site up to grade shall be included in the bid unit price.

15. The retaining walls will not be considered completed until inspected and approved by the Town and the Project Inspector. The wall shall be cleaned and free of any dirt or debris that detract from its appearance.

Measurement:

Measurement will be based on construction of the linear feet (LF) of segmental block retaining wall satisfactorily completed.

Payment:

Payment will be made at the bid unit price per linear feet (LF) of segmental block retaining wall based on the measured quantity.

18. DETECTABLE WARNING PANEL INSTALLATION

Description:

The Contractor shall furnish and install detectable warning panels as set forth herein and as shown on the plans.

Materials:

- **Detectable Warning Panels** – Truncated dome dimensions and spacing for detectable warnings are defined by the Americans with Disabilities Act Accessibilities Guidelines (ADAAG) and the Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way (PROWAG) for optimal detect-ability and public safety. Detectable warnings shall consist of raised truncated domes aligned in a square grid pattern in conformity to the ADAAG and the PROWAG. Detectable warning edges shall be sized and installed so that dome spacing is maintained across adjoining edges. Each dome shall have a minimum static friction of coefficient of 0.8 as tested per ASTM C1028.

Detectable warning materials shall be durable with a non-slip surface not subject to spalling, chipping, delamination, or separation. All detectable warnings shall be approved by the Town and the Engineer prior to installation.

Color – Color of detectable warning shall be TERRACOTTA. Detectable warnings shall have integral color throughout.

Attachment System – Detectable warnings shall be either placed in freshly poured concrete (wet-set) or recessed into pre-formed concrete. Detectable warnings using wet-set placement shall have an anchoring method that assures constant contact of the detectable warning bottom surface with the concrete as it cures, thus rendering the ramp a single monolithic structure. The thicker and heavier detectable warnings lowered into pre-formed recesses in the concrete substrate must demonstrate a firm fitting into metal reinforced frames without gaps along the edges that can channel water, sand, or debris. They must also be able to resist movement (i.e. sliding, rocking, or lifting) once in service.

For the thinner resurfaced existing walkway concrete, detectable warning panels can be installed as surface applied ADA panels or tiles. The panels/tiles shall have a combination of surface applied adhesive, anchors, and stainless steel pins. They shall be able to be cut to fit the available walkway width. Surface applied panels/tiles must be rated for outdoor use in all weather conditions.

Execution:

1. Detectable warning panels shall be installed on stair landings to alert persons with visual impairments of upcoming stairs and also when the top of the stairs have been reached.
2. The detectable warning panel shall be 2 feet in length (unless otherwise specified on the plans) and extend the full width of the walkway surface not including any curb wall that may be present.
3. Detectable warnings shall be installed perpendicular to the direction of pedestrian travel. The base surface of detectable warnings shall be installed flush with the adjacent walkway surface. The truncated domes shall extend above the walkway surface. The boundary between detectable warnings and the adjacent walkway shall provide a flush uniform surface that will not cause ponding of water nor present a tripping hazard. Partial domes at the edge of the detectable warning shall be made flush to match the base surface of the detectable warning.

Measurement:

Measurement will be based on each (EA) satisfactorily completed installation of ADA detectable warning panel.

Payment:

Payment will be made at the bid unit price per each (EA) based on the measured quantity.

19. ADJUST MANHOLE TO GRADE

Description:

The Contractor shall adjust manhole frames and covers to finished walkway surface grade as set forth herein and as shown on the plans.

Materials:

- **Concrete** – Class AA, 4000 psi, concrete.

Execution:

1. The Contractor shall adjust manhole frames and covers to match and be flush with the new concrete pavement surface, or finished grade ground surface.
2. Manhole adjustments shall be made in accordance with MAG Standard Specification Section 345, ADJUSTING FRAMES, COVERS AND VALVE BOXES, and Standard Detail 422, MANHOLE FRAME AND COVER ADJUSTMENT, and to the grades and elevations shown on the plans.
3. The work shall include all materials, equipment, and labor costs to adjust the manhole frame and covers as required including any materials needed to complete the adjustments.

Measurement:

Measurement will be based on each (EA) manhole frame and cover adjusted to match and be flush with the new pavement surface or finished grade ground surface that has been satisfactorily completed.

Payment:

Payment will be made at the bid unit price per each (EA) based on the measured quantity.

20. STRUCTURAL FILL

Description:

The Contractor shall construct structural fill to support staircase, walkway, and curb and gutter pavements as set forth herein and as shown on the plans.

Materials:

- **Earth Fill** – earth fill materials per MAG Section 206, STRUCTURE EXCAVATION AND BACKFILL.
- **Crushed Rock** – Crushed rock material shall be aggregate base material per MAG Section 702 BASE MATERIALS.

Execution:

1. For the structural fill area south of Roosevelt Street, the Contractor shall import suitable earth/soil fill material and construct a structural embankment compacted to 100% standard proctor density (ASTM D698) as needed to support the:
 - Five (5) new steps and their connection to Roosevelt Street.
 - Concrete 2-inch roll curb widening of the Roosevelt street asphalt pavement.
 - Fill for the void left by removal of the intersecting 5-step staircase.
2. For the structural fill to support the 2-inch roll curb and gutter along the south side of the extension of Miami Avenue, the Contractor shall furnish, place, and compact aggregate base course crushed rock fill material as needed to the subgrade of the 2-inch roll curb and gutter section.
 - The crushed rock base material shall extend at least 1 foot beyond the back of curb line along the top of the downslope.
 - Stabilize the surface of the crushed rock base material behind the back of curb with asphalt concrete paved material compacted to the greatest extent possible with hand compactors.

Note: Furnishing materials and constructing the asphalt stabilization of the exposed aggregate fill slope surface shall be included in the lump sum bid price for this item of construction work. The work will not be measured or paid for separately.

Measurement:

Measurement shall be on a lump sum (LS) basis for all labor, equipment, tools, materials, and supplies required for the satisfactorily complete construction of structural fill.

Payment:

Payment shall be made on the established lump sum (LS) amount set forth in the bid schedule, which amount shall be considered full compensation for the all work associated with this bid item, whether specifically stated or not.

21. STACKED CONCRETE RETAINING WALL EXTENSION

Description:

The Contractor shall construct a stacked concrete retaining wall to extend the existing stacked concrete retaining wall along the west edge of the Staircase B and its extension as set forth herein and as shown on the plans.

Materials:

- **Concrete Pieces** – the salvaged broken concrete slabs/pieces of suitable size and shape from the various concrete removal sections on this project.

Execution:

1. Excavate the slope area as needed to construct a stacked concrete retaining wall approximately two (2) feet in width.
2. Using the salvaged concrete pieces, construct an extension of the existing concrete dry stack retaining wall along the edge of Staircase B and its extension as needed to transition from the concrete steps to the adjacent property.
3. The concrete pieces shall be placed in horizontal layers with relatively flat sides facing the staircase.
4. Use concrete grout to the extent needed to level the concrete piece and bind the pieces of concrete together so the concrete cannot be dislodged once set.
5. The top layer shall have the joints between the concrete pieced grouted together so runoff will go down the face of the wall and not through the joints.
6. Concrete pieces on each layer shall have the joint between abutting concrete overlapping the joint on the layer below by a minimum of 6-inches.
7. The overall height will be determined in the field so the top of the retaining wall is so the slope up to the top of bank is no steeper than 10% (0.1 feet vertical for 1.0 feet horizontal).
8. The space behind the stacked concrete retaining wall shall be filled with coarse sand to completely fill the void and topped with a 6-inch layer of onsite native earth material.
9. The finished construction shall generally match the appearance of the existing retaining wall with a smoother front that does not overlap the staircase at any point.

Measurement:

Measurement will be based on the linear feet (LF) of construction of the stacked concrete retaining wall satisfactorily completed.

Payment:

Payment will be made at the bid unit price per linear feet (LF) of stacked concrete retaining wall based on the measured quantity.

22. TRAFFIC CONTROL

Description:

The Contractor shall provide traffic control for the full duration of the project construction including site barricades and fencing as set forth herein and as shown on the plans.

Effective and safe pedestrian, bicycle, and vehicular traffic control is critically important for this project. The Contractor shall coordinate closely with Town officials throughout the duration of the project to ensure safe passage of pedestrians, bicyclists, and vehicular traffic around the construction work zone(s).

Materials:

- **Site Safety Fencing** – orange in color
- **Traffic Control Devices** – Barricades, cones, signage, flashing lights, and other standard traffic control devices shall be used that are meet MUTCD standards.

Execution:

1. The work site area(s) may be closed to all traffic for the duration of the work as long as one-lane of traffic is maintained on Roosevelt Street and the extension of Miami Avenue at all times.
2. The Contractor shall install work site barricades, safety fencing, and other traffic control devices and measures as needed and required to protect the public from the work sites.
3. Traffic control device set in place shall be maintained for the full duration of the construction period.
4. The Contractor shall promptly remove all traffic control devices and measures once the construction has been completed and accepted by the Town.
5. Segments of the staircases and walkways that have been completed in advance of other project work zones shall be reopened as soon as the area of the project site has been restored and approved by the Town.
6. This construction item includes any and all barricades, barrels, cones, safety fencing, lights, directional pedestrian routing, signing, and development and implementation of an approved traffic control plan.
7. Traffic control shall meet all requirements of the Town and the Manual on Uniform Traffic Control Devices.

Measurement:

Measurement for site barricades and fencing shall be on a lump sum (LS) basis for all labor, equipment, materials, rentals, permits, and supplies involved in full time traffic control for the total duration of construction activities as required.

Payment:

Payment shall be a partial lump sum (LS) amount for the previous month based on the prorated percentage completion of the total contract (e.g. 1/4 of the LS amount each month on a project with a 4-month schedule).

23. MOBILIZATION

Description:

The work under this item shall consist of preparatory work and operations, including but not limited to, the movement of personnel, equipment, materials, supplies, and incidentals to the project site; the establishment of restroom facilities; and storage/staging facilities necessary for work on the project; and for all other work and operations that must be performed and costs incurred prior to beginning work on the various construction items at the project site.

The mobilization/demobilization work shall also include the movement of personnel, equipment, materials, supplies, tools, and other items from the site following completion of construction activities and restoration of any site(s) used for Contractor storage and staging.

Materials:

- None

Staging and Storage Area:

The Contractor is responsible for locating a suitable storage and staging area for the project. The Contractor shall obtain approval of the property owner and the Town when using vacant private property to park and service equipment, and/or to store materials for use on this project.

1. The Contractor shall notify adjacent property owners/residents of this proposed use.
2. Any use of vacant property adjacent to or near the project for parking or servicing equipment and/or storing of material will require the Contractor to obtain written approval from the property owner. This approval shall contain any requirements which are a condition of this approval.
3. A copy of the property owner's approval shall be submitted along with the Contractor's request to the Town for approval for the use of the marshaling yard in connection with the project. An appropriate distance from adjacent properties will be set by the Town on a case-by-case basis based on the size and type of equipment to be used on the project.
4. The yard shall be fenced and adequately dust-proofed in a manner such as to preclude dirt and dust blowing off the site and tracking of mud onto paved or unpaved Town streets.
5. Work in the yard shall be scheduled to comply with the Town's Noise Ordinance and other applicable ordinances, rules, and regulations pertaining to construction activities.
6. Equipment, materials, supplies, etc., shall be located to minimize impact on adjacent properties.
7. The Contractor shall clean up the staging/storage area site promptly upon completion of use and shall provide a signed property release as a condition of final acceptance.
8. Contractor's request for approval shall specify in detail how they propose to comply with 1 above requirements.

Site Use and Clean-up:

Fine grading of disturbed surfaces; returning staging areas and surrounding disturbed areas to their original condition (or better), and including reseeded, if necessary. Bid price shall include all costs associated with implementation of street sweeping as necessary to eliminate tracked dirt, mud, and debris from the project site onto paved surfaces via construction vehicle traffic and local traffic as a storm water management, pollution, and sediment control mitigation measure. Sweeping and dust control shall be monitored and performed daily as needed and as may be requested by the Town Inspector. Staging areas shall be provided with security fencing and a scrubber pad to keep from tracking dirt/mud onto street surfaces, frequent housekeeping cleanup, and restoration of site to a condition as good if not better than found prior to

construction. Dust control measures (including spraying water and/or dust palliatives on disturbed ground surfaces) are to be employed as needed to minimize fugitive dust from project activities.

Measurement:

MOBILIZATION will be measured as a complete lump sum (LS) item of work.

Payment:

Payment will be made at the lump sum (LS) price indicated on the Bid Schedule, which amount shall be considered full compensation for all work associated with this bid item, whether specifically stated or not, and as needed for complete mobilization to the site and demobilization and clean-up when leaving the site.

Include in the lump sum price all costs to mobilize for the project such as moving equipment, trucks, and personnel, both to the site and off the site upon completion of the work. Also include expenses for bonds, licenses, permits, project insurance, project coordination, materials, quality control testing, testing coordination, shop drawings and submittals, storage of materials, removal and disposal of construction debris, and the temporary supplies, power, and telephone, all necessary for the execution of the work.

Payment will be made in two separate amounts:

1. The first payment shall be made with the Contractor's initial billing invoice and shall be 75% of the contract lump sum amount for mobilization.
2. The second and final payment shall be made as part of the Contractor's final close-out billing invoice once the project has been fully completed and accepted by the Town and shall be 25% of the contract lump sum amount for mobilization and site restoration.

INCIDENTAL ITEMS

Any and all items of work to be provided by the Contractor that are not specifically listed in the Bid Schedule will NOT be measured or paid for separately as they are considered “incidental” and “subsidiary” to the overall project. The cost associated with each incidental item of work shall be applied to its associated bid schedule line item, to Mobilization, or spread across all applicable bid schedule line items as most appropriate in the judgment of the Contractor.

The following is a list of some, but not all, construction items that are considered “incidental” to the construction project that shall be provided, but will not be paid for separately as a bid item:

Water Used by the Contractor for Construction Purposes

- The Contractor shall establish an account with ARIZONA WATER to purchase water used at a nominal rate for construction purposes, so there is a record of the water usage. Arizona water will designate a hydrant to use and will provide a meter for this purpose. The Contractor shall reimburse the ARIZONA WATER for the cost of water used for this project. The cost of associated work and the cost of water used are incidental to the overall project.

Construction Surveying and Staking for all Improvements

- The total cost for all labor, materials, and equipment associated with construction surveying and staking including, but not limited to, elevations and the staking of the improvements, fixtures, and appurtenances, utilities, removals, new paving, signage, striping/markings, and other associated improvements for construction purposes. Any survey monuments that are disturbed during construction activities shall be replaced by a registered land surveyor at the Contractor’s expense.

Quality Control Testing

- The Contractor is responsible for quality control testing. The Contractor shall provide the testing and inspection services required by the Contract Documents and other such test necessary to assure the quality of the work.
- Contractor shall provide all pre-construction, during-construction, and post-construction testing required by the MAG standards, ADOT testing guidelines, and the project’s contract documents.
- When not specifically called out in the MAG Standard Specifications, testing frequency minimums are governed by the Arizona Department of Transportation Materials Quality Assurance Program manual, Appendix C, Sampling Guide Schedule, latest edition (June 19, 2019).
- The Contractor shall provide all test results to the Town, the Engineer of Record, and the Town Inspector within 48 hours of completion of the testing.
- Be advised the Town may provide quality assurance testing as needed to verify the quality of the work and to satisfy themselves that the work has been constructed in compliance with the plans, specifications, and bid/contract documents.

Record Drawings

- Accurate red-lined “as-built” drawings of all pavements, street reconstruction, sidewalks, driveway construction, installed and constructed water lines, fixtures (including valves, meter boxes, and fittings), appurtenances, signs, markings, utilities, services, other improvements,

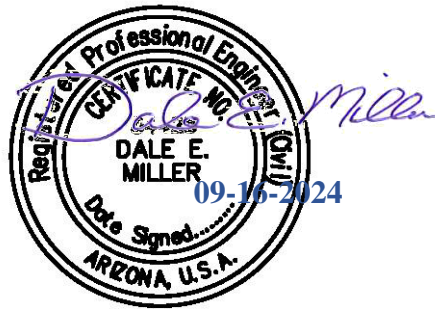
and any encountered existing utility, whether shown on the plans or not, shall be provided to the Town and the Engineer of Record upon completion of the construction.

- The location of all installed and constructed features shall be dimensioned, with the location based on identifiable surface features.
- Two weeks prior to final contract settlement, full record (as-built) drawings and data will be required.

Other Items

- There may be other items of work shown and called for on the plans. Some of these items may specifically be labeled “No Pay Item – Incidental”.

End of Technical Specifications Section



TOWN OF MIAMI, ARIZONA

KEYSTONE STAIRS RENOVATION PROJECT

CDBG CONTRACT #108-24

A PORTION OF THE WEST HALF OF SECTION 30, TOWNSHIP 1 NORTH, RANGE 15 EAST
OF THE GILA & SALT RIVER BASELINE & MERIDIAN, MARICOPA COUNTY, ARIZONA

HORIZONTAL CONTROL

SURVEY CONTROL METADATA STATEMENT

OPUS, STATIC FILE 04050860.T04, OBSERVED ON MARCH 26, 0224 AND PROCESSED AS 99_086p.24o.xml
PROJECTION ARIZONA STATE PLANCE EAST ZONE (EPOCH 2010)
INTERNATIONAL FEET
GEOID MODEL 2018
POINT 99 - 1/2 REBAR WITH RED CONTROL CAP
LAT N 874035.837
LONG W 485304.148
ELLIPSOID HEIGHT 1012.185(m) 3320.817(feet)
ORTHO HEIGHT 1039.681(m) 3411.027(feet) NAVD88
SITE WAS NOT SCALED - FURTHEST DISTANCE BETWEEN POINTS ON SITE 101-107 WAS 462 FEET

DATE OF FIELD SURVEY: MARCH 26, 2024

ENGINEER

RICK ENGINEERING COMPANY
2401 W PEORIA AVENUE #130
PHOENIX, ARIZONA 85029
CONTACT: DALE MILLER, PE
PHONE: (480) 522-0330
EMAIL: DMILLER@RICKENGINEERING.COM

OWNER

TOWN OF MIAMI
500 W SULLIVAN ST
MIAMI, AZ 85539
CONTACT: ALEXIS RIVERA, TOWN MANAGER
PHONE: (928) 473-4403
EMAIL: TOWNMANAGER@MIAMIAZ.GOV



| List of Sheets | | | |
|----------------|-------------|--|--|
| Sheet Number | Sheet Title | Sheet Description | |
| 1 | CV-01 | COVER SHEET | |
| 2 | GN-01 | GENERAL NOTES | |
| 3 | DT-01 | DETAILS | |
| 4 | PP-01 | PLAN & PROFILE | |
| 5 | PP-02 | | |
| 6 | PP-02N | | |
| 7 | PP-03 | | |
| 8 | PP-03N | | |
| 9 | PP-04 | | |
| | | | GIBSON ST TO STAIRCASE B |
| | | | STAIRCASES B-G |
| | | | CONSTRUCTION REFERENCE NOTES, STAIRCASES B-G |
| | | STAIRCASES H-M | |
| | | CONSTRUCTION REFERENCE NOTES, STAIRCASES H-M | |
| | | STAIRCASES N-O | |

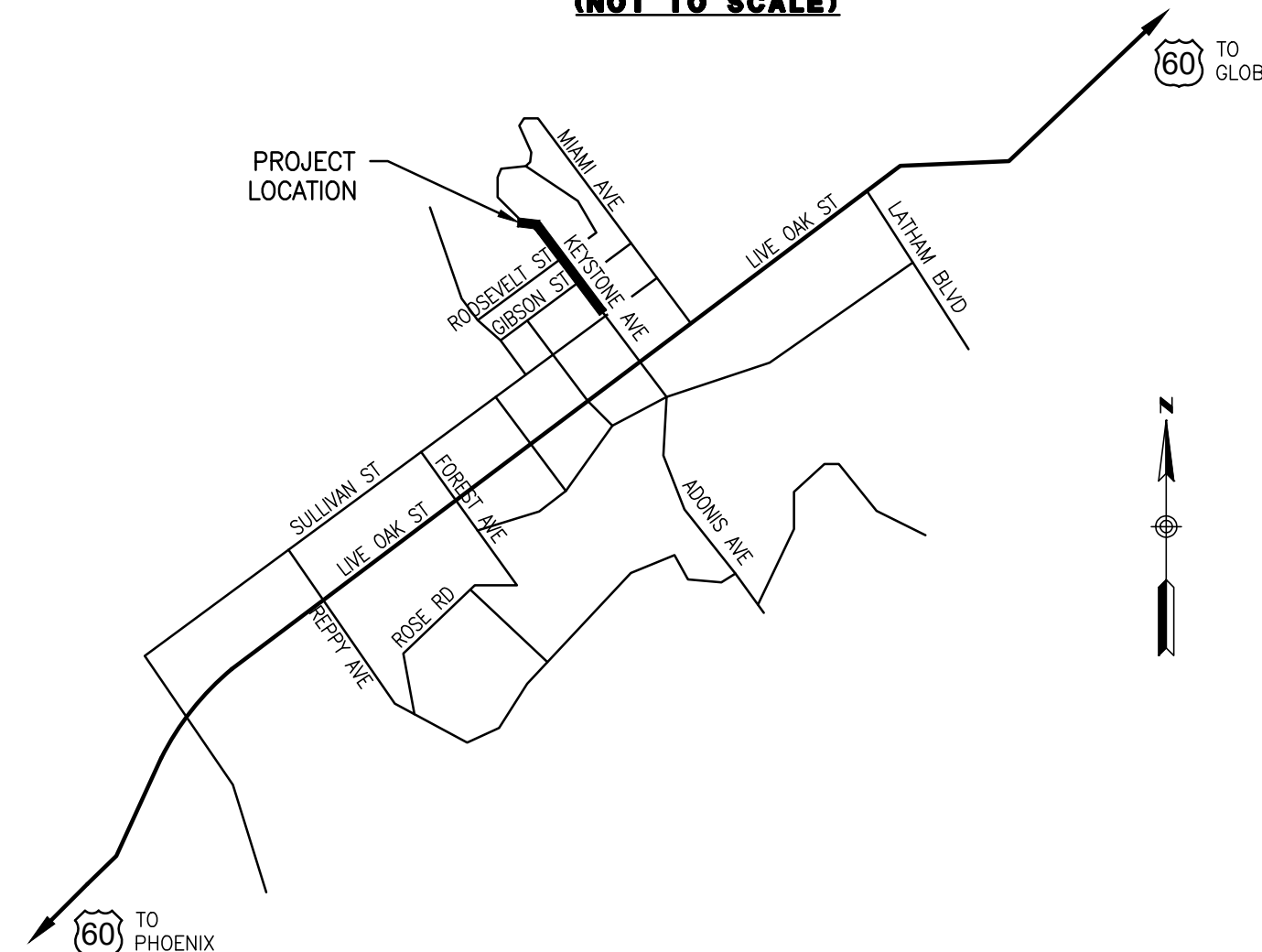
| UTILITY COORDINATION | | | |
|------------------------------|------------------|------------------|----------------|
| UTILITY OWNER | UTILITY | REPRESENTATIVE | PHONE NO. |
| TOWN OF MIAMI | SEWER | JOSH DERHAMMER | (562) 708-1628 |
| ARIZONA WATER COMPANY | WATER | FREDDY RIOS | (928) 473-4433 |
| CABLE ONE-GLOBE (SPARKLIGHT) | CATV/FIBER OPTIC | CHRIS GUTHREY | (928) 425-3161 |
| LUMEN (CENTURYLINK) | CATV/FIBER OPTIC | TREVOR DOUGLAS | (480) 276-0404 |
| ARIZONA PUBLIC SERVICE | ELECTRIC | BRYAN GOSLIN | (928) 200-0061 |
| SOUTHWEST GAS | GAS | MICHAEL PLACENIA | (928) 961-8032 |

PLAN SHEET LEGEND

| EXISTING | PROPOSED | ABBREVIATIONS |
|----------|----------|------------------------------|
| | | ☉ - CENTERLINE |
| | | EX - EXISTING |
| | | STA - STATION |
| | | LF - LINEAR FEET |
| | | SF - SQUARE FEET |
| | | SY - SQUARE YARDS |
| | | EA - EACH |
| | | TYP - TYPICAL |
| | | LT - LEFT |
| | | RT - RIGHT |
| | | DIP - DUCTILE IRON PIPE |
| | | CLR - CLEARANCE |
| | | SC - SADDLE CONNECTION |
| | | GB - GRADE BREAK |
| | | ARV - AIR RELEASE VALVE |
| | | OHE - OVERHEAD ELECTRIC LINE |
| | | R/W - RIGHT OF WAY |
| | | EDR - EDGE OF DIRT ROAD |
| | | EP - EDGE OF PAVEMENT |
| | | CLF - CHAIN LINK FENCE |
| | | GV - GATE VALVE |

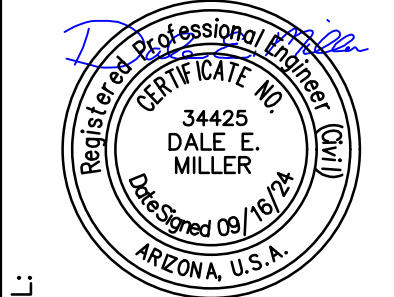
VICINITY MAP

(NOT TO SCALE)



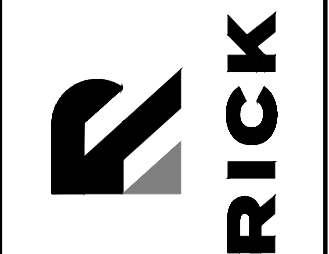
ESTIMATED QUANTITIES

| ITEM # | ITEM DESCRIPTION | QTY | UNIT |
|--------|---|-------|------|
| 1 | STAIRCASE REPAIR & RESURFACING | 1,184 | SF |
| 2 | STAIRCASE B EXTENSION, 6 STAIRS | 1 | LS |
| 3 | STAIRCASE H EXTENSION, 5 STAIRS | 1 | LS |
| 4 | STAIRCASE L EXTENSION, 2 STAIRS | 1 | LS |
| 5 | STAIRCASE O REPLACEMENT, 11 STAIRS | 1 | LS |
| 6 | STAIRCASE CURB WALL CONSTRUCTION | 45 | LF |
| 7 | STAIRCASE REMOVAL, 5 STAIRS | 1 | LS |
| 8 | WALKWAY REPAIR & RESURFACING | 600 | SF |
| 9 | WALKWAY CONCRETE REMOVAL | 850 | SF |
| 10 | WALKWAY CONSTRUCTION | 800 | SF |
| 11 | WALKWAY CONSTRUCTION WITH CURB WALL | 290 | SF |
| 12 | WALKWAY CURB WALL CONSTRUCTION | 60 | LF |
| 13 | UNDERLYING VOID, FILL WITH CLSM | 10 | CY |
| 14 | ROLL CURB, 2" CURB HT, CONSTRUCTION | 48 | LF |
| 15 | SINGLE CURB, 8" CURB HT, CONSTRUCTION | 30 | LF |
| 16 | WOOD RETAINING WALL REMOVAL | 1 | LS |
| 17 | SEGMENTAL BLOCK WALL CONSTRUCTION | 17 | LF |
| 18 | DETECTABLE WARNING PANEL INSTALLATION | 30 | EA |
| 19 | ADJUST MANHOLE TO GRADE | 4 | EA |
| 20 | STRUCTURAL FILL | 1 | LS |
| 21 | STACKED CONCRETE RETAINING WALL EXTENSION | 12 | LF |
| 22 | TRAFFIC CONTROL | 1 | LS |
| 23 | MOBILIZATION | 1 | LS |



2401 W PEORIA AVE, SUITE 130
PHOENIX, AZ 85029

602-957-3350
rickengineering.com



**KEYSTONE STAIRS
RENOVATION PROJECT**

TOWN OF MIAMI, ARIZONA



DRAWING NO.
CV-01
SHEET NO. 1 OF 9

| NO. | BY | DATE | REVISION |
|-----|----|------|----------|
| | | | |
| | | | |
| | | | |

PROJECT NO: 7045
DATE: 9/16/2024
DRAWN/DESIGNED BY: K. ROECKNER
CHECKED BY: D. MILLER

RICK ENGINEERING COMPANY NOTES

GENERAL

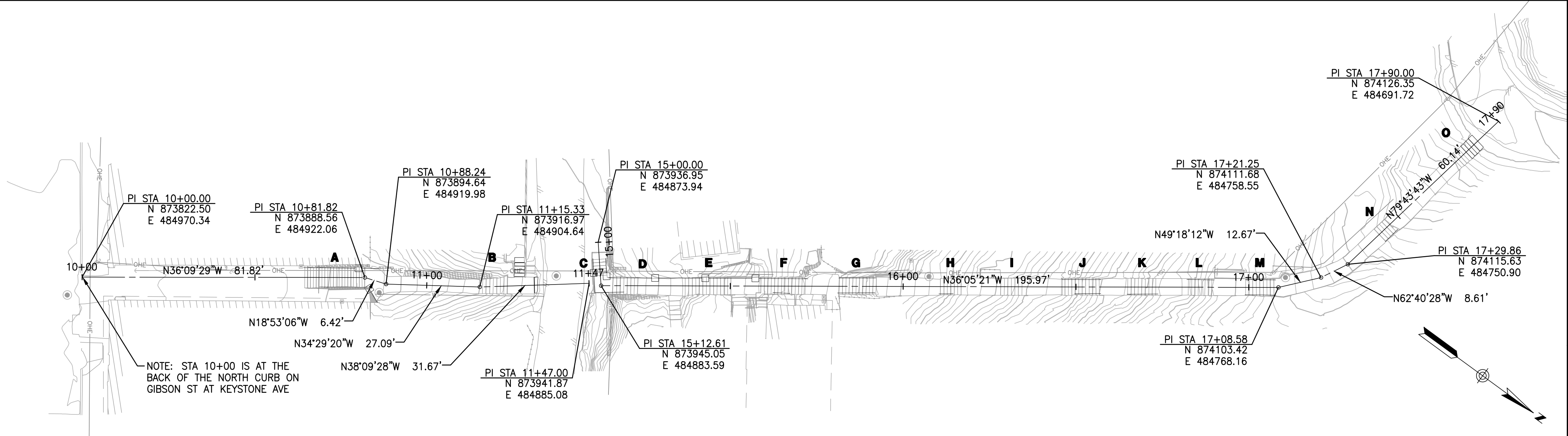
1. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL IMPROVEMENTS ARE BUILT, CONSTRUCTED, AND/OR INSTALLED IN ACCORDANCE WITH THESE PROJECT PLANS AND THE TECHNICAL SPECIFICATIONS FOR THE WORK
2. THE CONTRACTOR IS RESPONSIBLE FOR THE SURVEY, LAYOUT, AND STAKING OF THE PROPOSED IMPROVEMENTS FOR CONSTRUCTION PURPOSES
3. IF THERE ARE ANY QUESTIONS REGARDING THE PLANS OR THE INTENT OF THE DESIGN, THE CONTRACTOR SHALL CONTACT THE ENGINEER AND DISCUSS THE ISSUE SO THAT IT IS CLARIFIED OR RESOLVED PRIOR TO THE START OF CONSTRUCTION
4. THE CONTRACTOR SHALL TAKE THE NECESSARY STEPS AND PRECAUTIONS TO PROTECT AND SAFEGUARD ADJACENT IMPROVEMENTS AND PROPERTY FROM DAMAGE DUE TO CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS PROJECT
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING AND OBTAINING ANY PERMITS NEEDED TO COMPLETE THE PROJECT, POTENTIALLY INCLUDING AN AGENCY BUSINESS LICENSE, RIGHT OF WAY WORK PERMIT, WATER USAGE AGREEMENT, ETC., AND INCLUDE THE COSTS FOR THE SAME, IF ANY, IN THE PROJECT BID PRICES
6. THE CONTRACTOR SHALL ALSO EMPLOY EFFECTIVE STORM WATER MANAGEMENT TO PREVENT EROSION AND/OR SILT AND DEBRIS FROM LEAVING THE CONSTRUCTION SITE DURING THE ENTIRE DURATION OF THE PROJECT BY APPROPRIATE MEANS INCLUDING THE USE OF SAND BAGS, WADDLES, HAY BALES, TEMPORARY SILTATION BASINS, SILT DIKES/DAMS, SHORING, ETC.
7. ALL PROJECT IMPROVEMENTS INCLUDING BUT NOT LIMITED TO MANHOLE FRAMES, VALVE BOXES, VAULTS, HANDHOLES, FIRE HYDRANTS, ETC., SHALL BE SET OR RESET TO FINISHED GRADE OF THE SURROUNDING GROUND OR PAVEMENT SURFACE WHETHER OR NOT SPECIFICALLY CALLED OUT ON THE PLANS OR IN THE SPECIFICATIONS
8. QUANTITIES SHOWN ON THE PLANS ARE ESTIMATES ONLY FOR BIDDING PURPOSES. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES AND NOTIFYING THE OWNER AND THE ENGINEER IF ANY SIGNIFICANT DIFFERENCES HAVE BEEN IDENTIFIED.

UTILITIES

1. THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES OR UTILITY STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED FROM UTILITY MAPPING PROVIDED BY THE VARIOUS UTILITY COMPANIES BASED ON AN AZ811 UTILITY MAPPING REQUEST
2. THE LOCATION OF THE UTILITIES MAY OR MAY NOT BE ACCURATELY SHOWN ON THE UTILITY MAPPING PROVIDED AND ON THE PROJECT PLANS
3. THERE MAY BE OTHER UTILITY LINES AND FACILITIES PRESENT THAT ARE IN SERVICE OR HAVE BEEN ABANDONED WITHIN THE PROJECT CORRIDOR OR AREA THAT ARE NOT SHOWN ON THE MAPPING AND ON THE PLANS
4. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING AZ811 (BLUE STAKE) PRIOR TO COMMENCING ANY DIGGING ACTIVITIES TO HAVE THE LOCATIONS OF THE UTILITIES MARKED IN THE FIELD AT THE PROJECT SITE
5. THE CONTRACTOR IS ALSO RESPONSIBLE FOR VISUALLY INSPECTING THE MARKED UTILITIES AT THE PROJECT SITE TO ASCERTAIN IF ANY POTENTIAL CONFLICTS EXIST BETWEEN THE PROPOSED IMPROVEMENTS UNDER THIS PROJECT AND THE EXISTING UTILITY FACILITIES
6. THE CONTRACTOR SHALL 'POTHOLE' TO DETERMINE THE EXACT LOCATION AND DEPTH OF EXISTING UTILITY FACILITIES TO IDENTIFY ANY POTENTIAL CONFLICTS BETWEEN UTILITY FACILITIES AND THE PROPOSED IMPROVEMENTS AND, IF NEEDED, REVIEW THE INFORMATION WITH THE OWNER AND THE ENGINEER TO RESOLVE ANY POTENTIAL CONFLICT PRIOR TO CONSTRUCTION
7. THE CONTRACTOR SHALL OBSERVE ALL POSSIBLE PRECAUTIONS WHEN WORKING IN CLOSE PROXIMITY TO EXISTING UTILITY LINES AND/OR STRUCTURES TO PROTECT THE SAME AND AVOID ANY DAMAGE TO THE UTILITY FACILITIES
8. SHOULD ANY UTILITY FACILITY BE DAMAGED BY THE CONTRACTOR'S ACTIVITIES, THE CONTRACTOR SHALL CONTACT AND COORDINATE WITH THE UTILITY OWNER FOR THE REPAIR OF THE FACILITY AT NO ADDITIONAL COST TO THE PROJECT

CONSTRUCTION JOBSITE SAFETY

1. THE CONTRACTOR ASSUMES SOLE AND COMPLETE RESPONSIBILITY FOR JOBSITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY
2. THIS SAFETY REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS
3. THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER
4. NEITHER THE OWNER NOR THE ENGINEER WILL ENFORCE SAFETY MEASURES OR REGULATIONS
5. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN, CONSTRUCTION, AND MAINTENANCE OF ALL SAFETY DEVICES INCLUDING SHORING
6. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS, AND REGULATIONS
7. THE CONTRACTOR SHALL FOLLOW THE GUIDELINES AND REGULATIONS AS SET FORTH BY OSHA CONCERNING THE PROJECT WORK AND JOBSITE ACTIVITIES



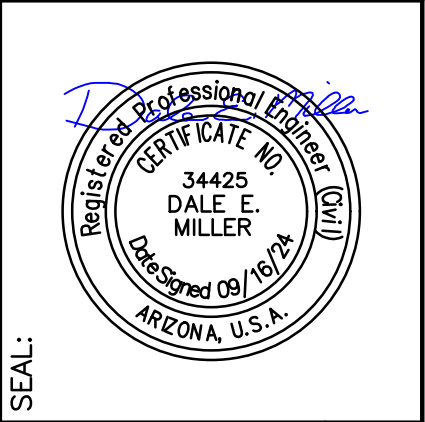
CONSTRUCTION BASELINES

NOTE: STA 10+00 IS AT THE BACK OF THE NORTH CURB ON GIBSON ST AT KEYSTONE AVE

NOTE: CONSTRUCTION CENTERLINE IS THE CENTER OF THE STAIRCASES AND WALKWAYS AS SHOWN ON THE PLAN VIEW ON THE PLAN & PROFILE SHEETS

COORDINATE SYSTEM IS ARIZONA STATE PLANE, EAST ZONE

| NO. | BY | DATE | REVISION |
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SEAL:

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 PHOENIX, AZ 85029

SAN DIEGO ORANGE RIVERSIDE SACRAMENTO SAN LUIS OBISPO
 SANTA CLARITA PHOENIX TUCSON LAS VEGAS DENVER

PROJECT NO: 7045
 DATE: 9/16/2024
 DRAWN/DESIGNED BY: K. ROECKNER
 CHECKED BY: D. MILLER

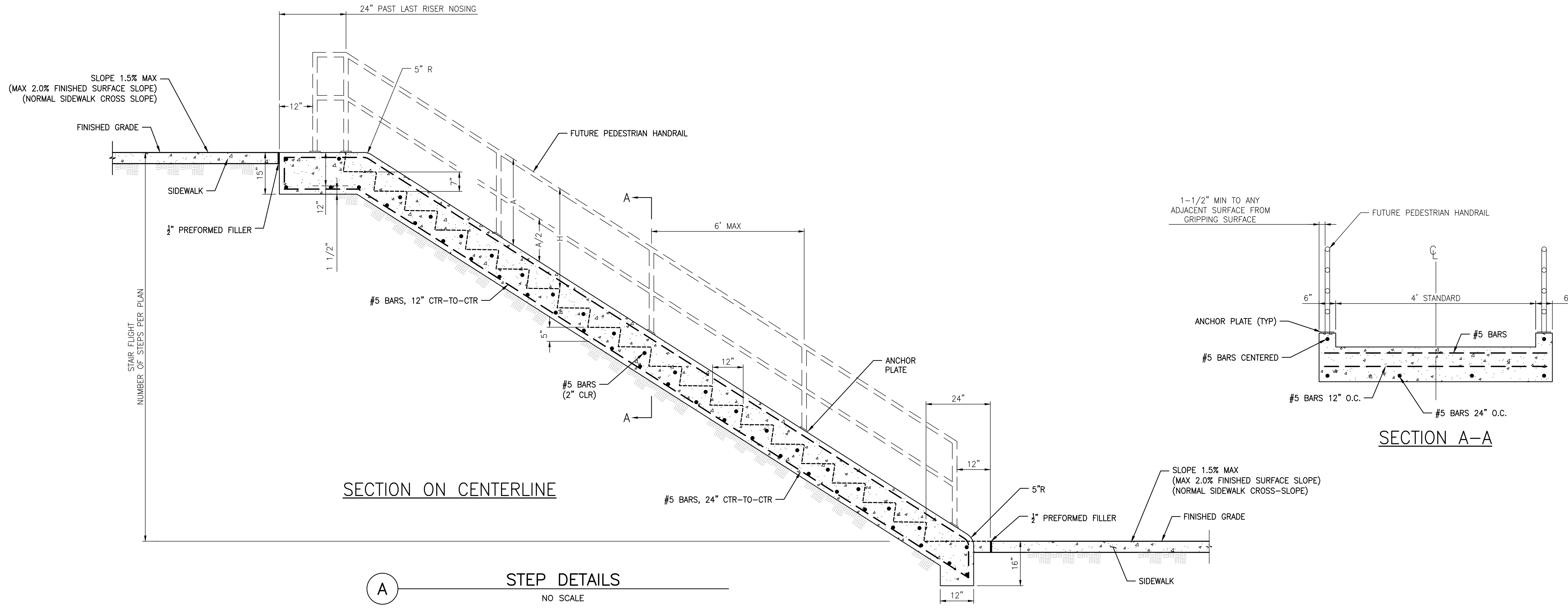
KEYSTONE STAIRS RENOVATION PROJECT
 TOWN OF MIAMI, ARIZONA

GENERAL NOTES

Contact Arizona 811 at least two full working days before you begin excavation

DRAWING NO. **GN-01**
 SHEET NO. 2 OF 9

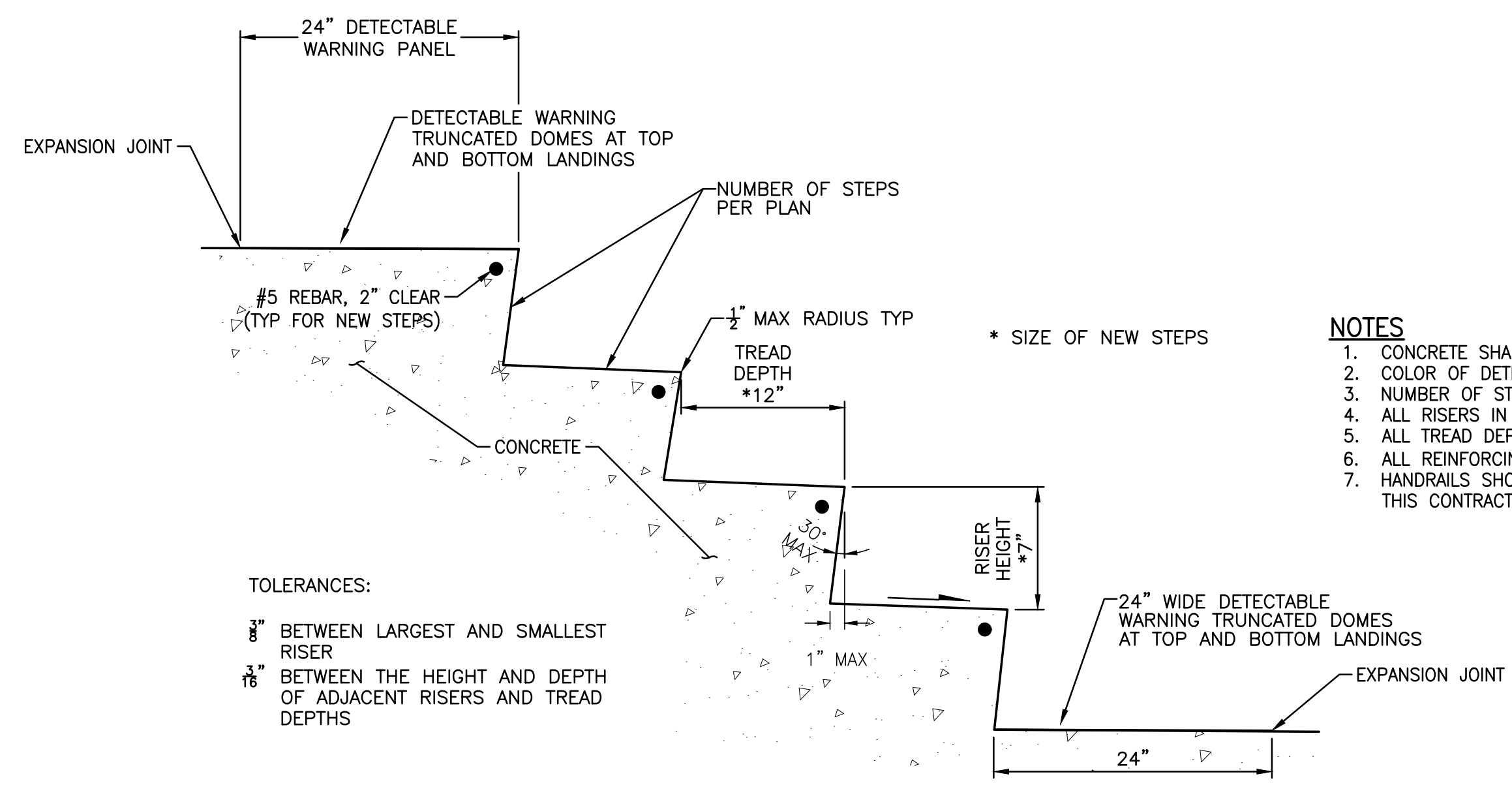
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SECTION ON CENTERLINE

SECTION A-A

A STEP DETAILS
NO SCALE

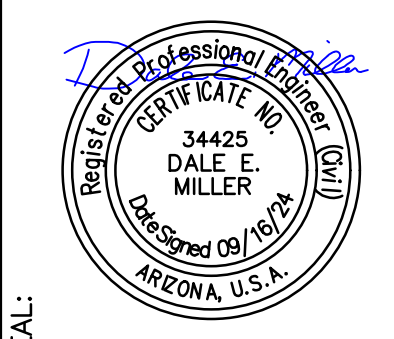


B STEP DETAILS
NO SCALE

- NOTES**
1. CONCRETE SHALL BE MAG CLASS AA, 4,000 PSI, CONCRETE
 2. COLOR OF DETECTABLE WARNING PANELS SHALL BE TERRACOTTA
 3. NUMBER OF STEPS VARY - SEE PLANS
 4. ALL RISERS IN A STAIR FLIGHT SHALL BE THE SAME HEIGHT
 5. ALL TREAD DEPTHS IN A STAIR FLIGHT SHALL BE THE SAME DEPTH
 6. ALL REINFORCING STEEL SHALL HAVE 2" CLEAR TO CONCRETE EDGE
 7. HANDRAILS SHOWN ARE A FUTURE INSTALLATION AND ARE NOT A PART OF THIS CONTRACT

TOLERANCES:
 $\frac{3}{8}$ " BETWEEN LARGEST AND SMALLEST RISER
 $\frac{1}{16}$ " BETWEEN THE HEIGHT AND DEPTH OF ADJACENT RISERS AND TREAD DEPTHS

| NO. | BY | DATE | REVISION |
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SEAL: **DALE E. MILLER**
 34425
 LICENSE NO.
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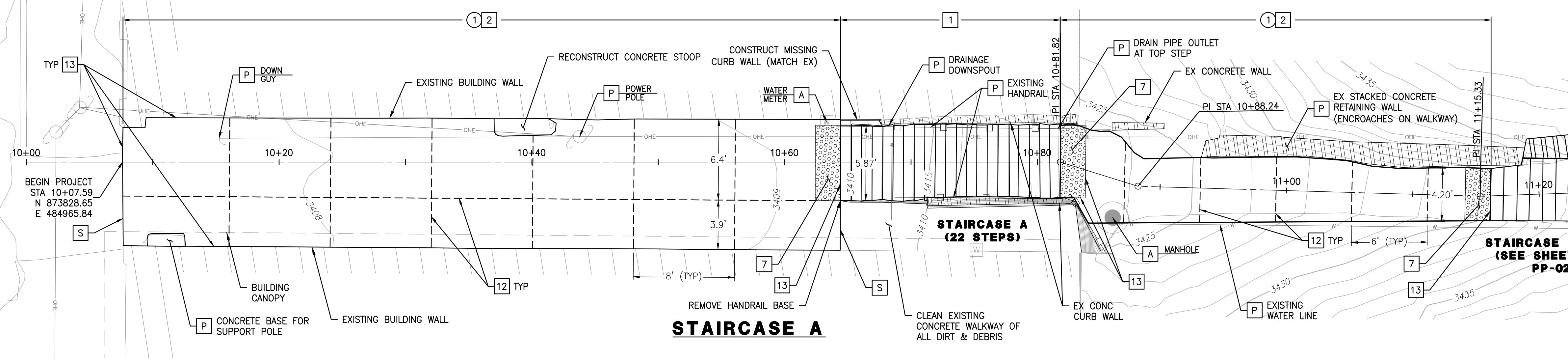
PROJECT NO: 7045
 DATE: 9/16/2024
 DRAWN/DESIGNED BY: K. ROECKNER
 CHECKED BY: D. MILLER

KEYSTONE STAIRS RENOVATION PROJECT
 TOWN OF MIAMI, ARIZONA
DETAILS



\\pbf\file1\PO5500\7045_Keystone_Stairs_Rehabilitation\Civil\Plans\Set\7045-CN.dwg - plotted by: krockner ON 2024-09-13 @ 09:21 - e:\btree_mss_2022.dwg - © 2024 Rick Engineering Company

GIBSON ST



NOTE: STA 10+00 IS AT THE BACK OF THE NORTH CURB ON GIBSON ST AT KEYSTONE AVE

CONSTRUCTION REFERENCE NOTES:

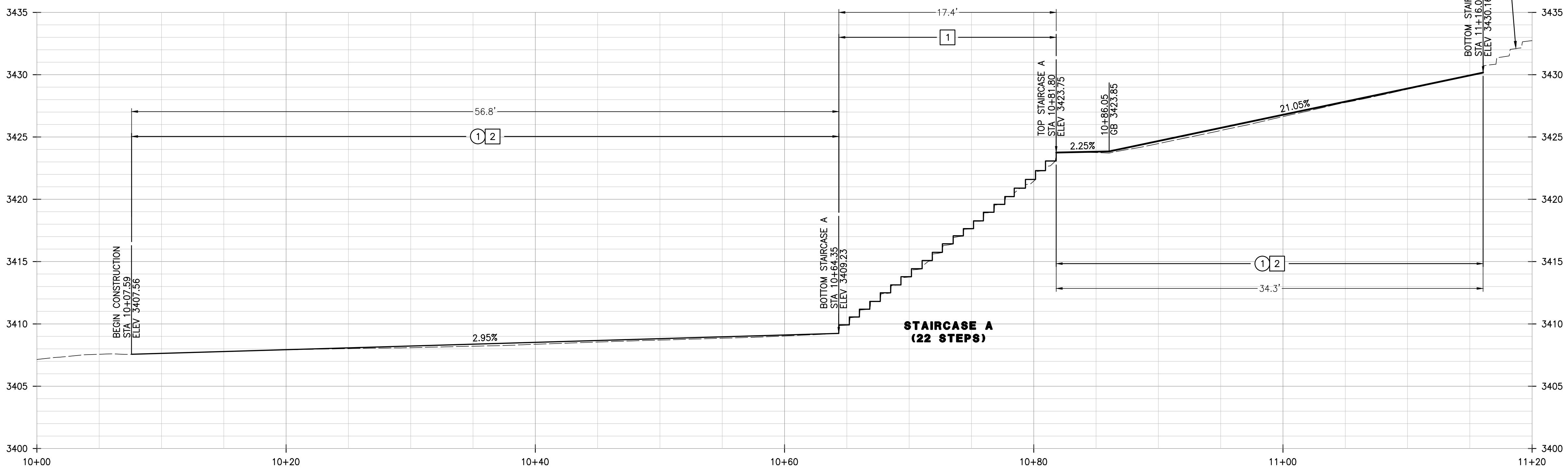
- WALKWAY GIBSON ST TO STAIRCASE A**
- REMOVE THE EXISTING CONCRETE BETWEEN THE BUILDINGS AND THE SAWCUT LINES TO THE SUBGRADE OF THE NEW 5-INCH THICK WALKWAY PAVEMENT.
 - SALVAGE SUITABLE SIZED BROKEN CONCRETE FOR USE IN EXTENDING THE DRY STACK CONCRETE RETAINING WALL ON THE WEST SIDE OF STAIRCASE B.
 - PROPERLY DISPOSE OF ANY UNUSED REMOVED CONCRETE.
 - PREPARE THE SUBGRADE BY SCARIFYING TO A 6-INCH DEPTH AND RECOMPACT TO 100% STANDARD PROCTOR DENSITY (ASTM D698).
 - INSTALL 1/2-INCH EXPANSION JOINT MATERIAL AGAINST THE BUILDINGS, EXISTING CONCRETE ON EACH END, STEPS, AND AROUND THE POWER POLE AND GUY ANCHOR.
 - CONSTRUCT REPLACEMENT CONCRETE PAVEMENT, 5-INCH THICK, WITH CLASS AA, 4,000 PSI, CONCRETE ON THE PREPARED SUBGRADE WITH THE LONGITUDINAL CENTER OF THE SLAB BEING 1/2-INCH LOWER THAN THE EDGES AT THE BUILDING WALLS.
 - RECONSTRUCT THE CONCRETE STOOP TO THE BUILDING ENTRANCE.
 - WALKWAY FINISH SHALL BE A STANDARD MEDIUM BROOM FINISH.
 - SAWCUT OR HAND TOOL THE CONTRACTION JOINTS IN THE PLASTIC CONCRETE WHERE SHOWN AND SEAL THE JOINTS WITH SIKAFLEX-1A ELASTOMERIC JOINT SEALANT.
 - INSTALL A 24-INCH WIDE DETECTABLE WARNING PANEL AT THE BOTTOM OF STAIRCASE A FOR THE FULL WIDTH OF THE STAIRS.

STAIRCASE A

- POWER WASH AND THOROUGHLY CLEAN THE HORIZONTAL AND VERTICAL SURFACES OF THE STAIRCASE REMOVING ALL DIRT AND LOOSE MATERIALS.
- PREPARE THE STAIRCASE BY FILLING AND SEALING THE EXISTING CRACKS WITH AN EPOXY GROUT/SEALANT/ADHESIVE SUCH AS SIKADUR 35 HI-MOD LV OR SIKADUR 52.
- REPAIR SPALLED, BROKEN, AND CHIPPED AREAS WITH A MATERIAL SUCH AS QUIKRETE QUICK-SETTING CEMENT WITH QUIKRETE ACRYLIC FORTIFIER.
- RESURFACE AND REFINISH ALL HORIZONTAL AND VERTICAL SURFACES OF THE STAIRCASE WITH THE APPLICATION OF A 3/8-INCH MINIMUM THICKNESS OF A CONCRETE FINISHING PRODUCT SUCH AS SIKAREPAIR 222.
- ADDITIONAL WORK REQUIRED FOR STAIRCASE A:
 - CONSTRUCT A NEW CONCRETE CURB WALL ALONG THE WEST SIDE OF THE LOWER FIVE (5) STEPS TO MATCH THE CROSS-SECTION OF THE WEST CURB WALL ALONG THE HIGHER STEPS.
 - PROTECT IN PLACE THE EXISTING GALVANIZED PIPE AT THE BASE OF THE 5TH STAIR.
 - PROTECT IN PLACE THE EXISTING HANDRAILS. REMOVE THE HANDRAIL POST BASE LOCATED AT THE BOTTOM OF THE STAIRCASE ON THE EAST SIDE.
 - PROTECT IN PLACE THE EXISTING DRAIN PIPE PENETRATING THE TOP STEP AND LEVEL THE WEST END OF THE TOP STEP ABOVE THE DRAIN PIPE WITH THE SPECIFIED CONCRETE REPAIR AND RESURFACING MATERIALS.

WALKWAY STAIRCASE A TO STAIRCASE B

- REMOVE THE EXISTING CONCRETE WALKWAY PAVEMENT BETWEEN STAIRCASE A AND STAIRCASE B TO THE SUBGRADE OF THE NEW 5-INCH THICK WALKWAY PAVEMENT.
 - SALVAGE SUITABLE SIZED BROKEN CONCRETE FOR USE IN EXTENDING THE DRY STACK CONCRETE RETAINING WALL ON THE WEST SIDE OF STAIRCASE B. PROPERLY DISPOSE OF ANY UNUSED REMOVED CONCRETE.
- PREPARE THE SUBGRADE BY SCARIFYING TO A 6-INCH DEPTH AND RECOMPACT TO 100% STANDARD PROCTOR DENSITY (ASTM D698).
- ADJUST EXISTING MANHOLE TO FINISHED GRADE.
- INSTALL 1/2-INCH EXPANSION JOINT MATERIAL ON EACH END AGAINST THE EXISTING STAIRCASES.
- CONSTRUCT REPLACEMENT CONCRETE PAVEMENT, 5-INCH THICK, WITH CLASS AA, 4,000 PSI, CONCRETE ON THE PREPARED SUBGRADE WITH A CROSS-SLOPE OF 1.5% (1-INCH FALL MAX. OVER 5 FEET).
- SAWCUT OR HAND TOOL THE CONTRACTION JOINTS IN THE PLASTIC CONCRETE WHERE SHOWN AND FILL WITH SIKAFLEX-1A ELASTOMERIC JOINT SEALANT.
- WALKWAY FINISH SHALL BE A HEAVY BROOM FINISH DUE TO ITS STEEPNESS.
- INSTALL A 24-INCH WIDE DETECTABLE WARNING PANEL AT THE TOP OF STAIRCASE A AND AT THE BOTTOM OF STAIRCASE B FOR THE FULL WIDTH OF THE STAIRS.



| REMOVAL NOTES | |
|---------------|---|
| NO. | DESCRIPTION |
| 1 | REMOVE EXISTING CONCRETE WALKWAY |
| 2 | REMOVE EXISTING STAIRCASE AND FILL UNDERLYING VOID WITH 2-SACK CLSM |
| 3 | REMOVE EXISTING WOOD RETAINING WALL |
| 4 | SAW OFF STUB PIPE FLUSH WITH STEP AND FILL VOID WITH CONCRETE |

| CONSTRUCTION NOTES | |
|--------------------|---|
| NO. | DESCRIPTION |
| 1 | REPAIR & RESURFACE EXISTING STAIRS (3/8" MIN RESURFACING DEPTH) |
| 2 | RECONSTRUCT CONCRETE WALKWAY (5" DEPTH) |
| 3 | REPAIR & RESURFACE EXISTING CONCRETE WALKWAY (5/8" MIN RESURFACING DEPTH) |
| 4 | CONSTRUCT CONCRETE WALKWAY ON TOP OF EXISTING CONCRETE (7" NOMINAL DEPTH) |
| 4A | CONSTRUCT CONCRETE WALKWAY ON TOP OF EXISTING CONCRETE (7" NOMINAL DEPTH) WITH INTEGRAL CURB WALL ON EAST SIDE |
| 5 | CONSTRUCT NEW STEPS PER DETAIL A, SHEET DT-01 - 7" RISE, 12" TREAD DEPTH, 5' WIDTH |
| 6 | FILL UNDERLYING VOID WITH SLURRY (2-SACK CLSM) |
| 7 | INSTALL 24" WIDE DETECTABLE WARNING, TERRACOTTA RED IN COLOR |
| 8 | CONSTRUCT SINGLE CURB PER MAG STD DTL 222, TYPE B - 10" HEIGHT, 20" BELOW GRADE |
| 9 | CONSTRUCT SEGMENTAL BLOCK CONCRETE RETAINING WALL, 30" HEIGHT |
| 10 | CONSTRUCT 6" WIDTH x 5" MIN HEIGHT CURB WALL ON EAST SIDE OF EXISTING STAIRS |
| 11 | CONSTRUCT CURB WALL, 6"W x 6"H ON EAST SIDE OF EXISTING WALKWAY |
| 12 | INSTALL CONTRACTION JOINT |
| 13 | INSTALL EXPANSION JOINT |
| 14 | CONSTRUCT 2" ROLL CURB PER MAG STD DTL 260 |
| 15 | CONSTRUCT STACKED CONCRETE RETAINING WALL USING SALVAGED CONCRETE PIECES, 2' WIDTH, SIMILAR TO EXISTING WALL CONSTRUCTION |
| 16 | ASPHALT REPAIR AREA (INCIDENTAL WORK), 12" WIDTH OR AS NEEDED |
| M | MATCH EXISTING |
| S | SAWCUT & MATCH EXISTING |
| P | PROTECT IN PLACE |
| A | ADJUST TO FINISHED GRADE |

| GENERAL NOTES | |
|---------------|---|
| 1 | STATIONING IS ALONG THE ESTABLISHED CENTERLINE OF THE STAIRS AND WALKWAYS AS SHOWN. |
| 2 | PROTECT IN PLACE ALL EXISTING HANDRAILS EXCEPT WHERE NOTED |
| 3 | REMOVE VEGETATION, BUSHES, & SMALL TREES WITHIN 3' OF THE WALKWAY AND STAIRCASE EDGES. PRUNE BACK ANY BRANCHES THAT OVERHANG ONTO THE WALKWAYS OR STAIRCASES AT LEAST 3' AWAY FROM THE EDGES (INCIDENTAL WORK). |
| 4 | EXISTING STAIRS AND WALKWAYS ARE FIVE (5) FEET WIDE UNLESS OTHERWISE NOTED. |

1" = 5'
VERTICAL: 1" = 5'

5 2.5 0 5 10

REVISION

| | | |
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| NO. | DATE | BY |
| | | |

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PHOENIX, AZ 85029

SAN DIEGO ORANGE RIVERSIDE SACRAMENTO SAN LUIS OBISPO
SANTA CLARITA PHOENIX TUCSON LAS VEGAS DENVER

RICK

PROJECT NO: 7045
DRAWN/DESIGNED BY: K. ROECKNER
CHECKED BY: D. MILLER

9/16/2024

KEYSTONE STAIRS
RENOVATION PROJECT

TOWN OF MIAMI, ARIZONA

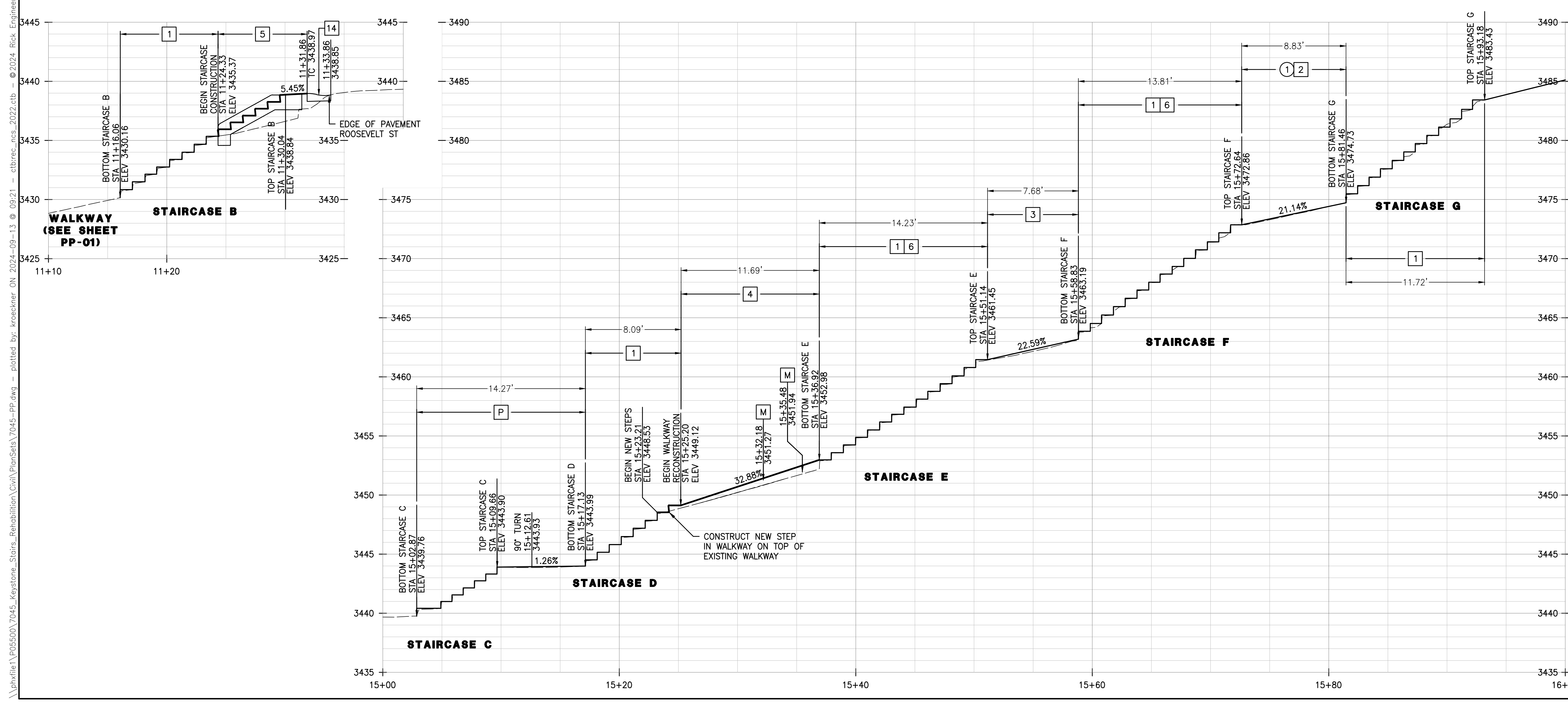
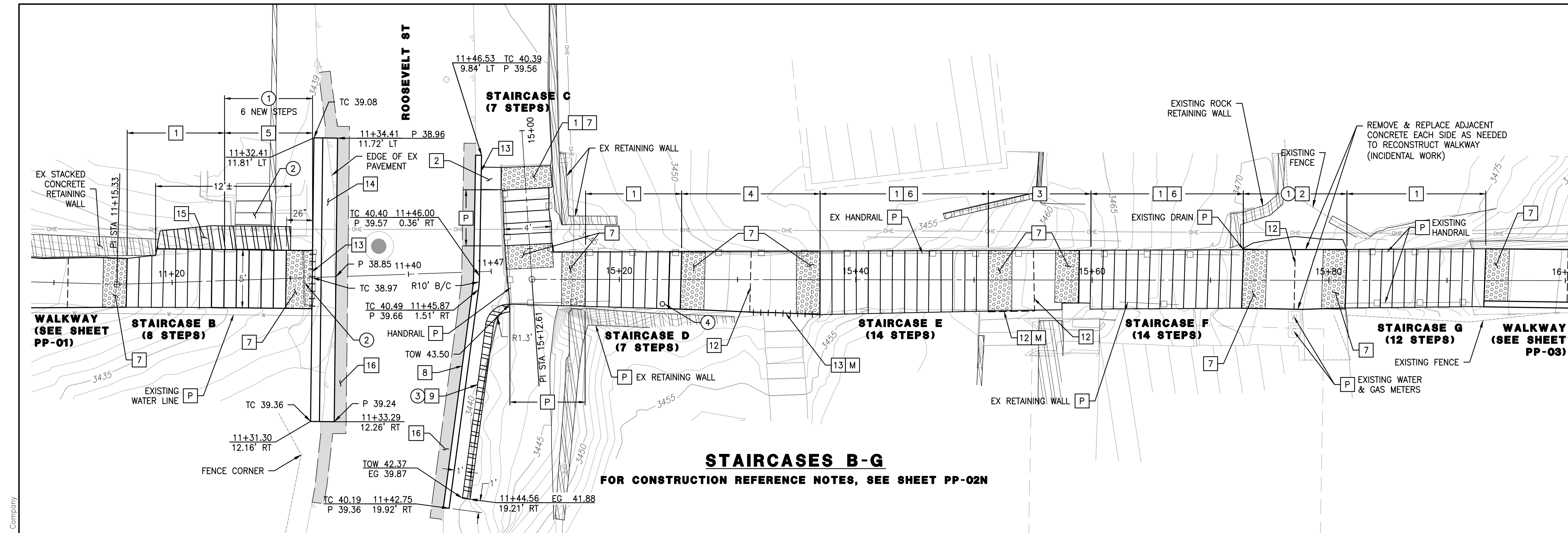
PLAN & PROFILE
GIBSON ST TO STAIRCASE B

CONTACT ARIZONA 811 AT LEAST TWO FULL WORKING DAYS BEFORE YOU BEGIN EXCAVATION

ARIZONA811
Call 811 or click Arizona811.com

DRAWING NO.
PP-01
SHEET NO. 4 OF 9

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| REMOVAL NOTES | |
|---------------|---|
| NO. | DESCRIPTION |
| 1 | REMOVE EXISTING CONCRETE WALKWAY |
| 2 | REMOVE EXISTING STAIRCASE AND FILL UNDERLYING VOID WITH 2-SACK CLSM |
| 3 | REMOVE EXISTING WOOD RETAINING WALL |
| 4 | SAW OFF STUB PIPE FLUSH WITH STEP AND FILL VOID WITH CONCRETE |

| CONSTRUCTION NOTES | |
|--------------------|---|
| NO. | DESCRIPTION |
| 1 | REPAIR & RESURFACE EXISTING STAIRS (3/8" MIN RESURFACING DEPTH) |
| 2 | RECONSTRUCT CONCRETE WALKWAY (5" DEPTH) |
| 3 | REPAIR & RESURFACE EXISTING CONCRETE WALKWAY (5/8" MIN RESURFACING DEPTH) |
| 4 | CONSTRUCT CONCRETE WALKWAY ON TOP OF EXISTING CONCRETE (7" NOMINAL DEPTH) |
| 4A | CONSTRUCT CONCRETE WALKWAY ON TOP OF EXISTING CONCRETE (7" NOMINAL DEPTH) WITH INTEGRAL CURB WALL ON EAST SIDE |
| 5 | CONSTRUCT NEW STEPS PER DETAIL A, SHEET DT-01 - 7" RISE, 12" TREAD DEPTH, 5' WIDTH |
| 6 | FILL UNDERLYING VOID WITH SLURRY (2-SACK CLSM) |
| 7 | INSTALL 24" WIDE DETECTABLE WARNING, TERRACOTTA RED IN COLOR |
| 8 | CONSTRUCT SINGLE CURB PER MAG STD DTL 222, TYPE B - 10" HEIGHT, 20" BELOW GRADE |
| 9 | CONSTRUCT SEGMENTAL BLOCK CONCRETE RETAINING WALL, 30" HEIGHT |
| 10 | CONSTRUCT 6" WIDTH x 5" MIN HEIGHT CURB WALL ON EAST SIDE OF EXISTING STAIRS |
| 11 | CONSTRUCT CURB WALL, 6"W x 6"H ON EAST SIDE OF EXISTING WALKWAY |
| 12 | INSTALL CONTRACTION JOINT |
| 13 | INSTALL EXPANSION JOINT |
| 14 | CONSTRUCT 2" ROLL CURB PER MAG STD DTL 260 |
| 15 | CONSTRUCT STACKED CONCRETE RETAINING WALL USING SALVAGED CONCRETE PIECES, 2' WIDTH, SIMILAR TO EXISTING WALL CONSTRUCTION |
| 16 | ASPHALT REPAIR AREA (INCIDENTAL WORK), 12" WIDTH OR AS NEEDED |
| M | MATCH EXISTING |
| S | SAWCUT & MATCH EXISTING |
| P | PROTECT IN PLACE |
| A | ADJUST TO FINISHED GRADE |

| GENERAL NOTES | |
|---------------|---|
| 1 | STATIONING IS ALONG THE ESTABLISHED CENTERLINE OF THE STAIRS AND WALKWAYS AS SHOWN. |
| 2 | PROTECT IN PLACE ALL EXISTING HANDRAILS EXCEPT WHERE NOTED |
| 3 | REMOVE VEGETATION, BUSHES, & SMALL TREES WITHIN 3' OF THE WALKWAY AND STAIRCASE EDGES. PRUNE BACK ANY BRANCHES THAT OVERHANG ONTO THE WALKWAYS OR STAIRCASES AT LEAST 3' AWAY FROM THE EDGES (INCIDENTAL WORK). |
| 4 | EXISTING STAIRS AND WALKWAYS ARE FIVE (5) FEET WIDE UNLESS OTHERWISE NOTED. |

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 SANTA CLARITA PHOENIX TUCSON LAS VEGAS DENVER

RICK
 ENGINEERS
 ARCHITECTS

PROJECT NO: 7045
 DRAWN/DESIGNED BY: K. ROECKNER
 CHECKED BY: D. MILLER
 DATE: 9/16/2024

34425
 DALE E. MILLER
 REGISTERED PROFESSIONAL ENGINEER
 LICENSE NO. 11700
 ARIZONA U.S.A.

KEYSTONE STAIRS RENOVATION PROJECT
 TOWN OF MIAMI, ARIZONA
PLAN & PROFILE STAIRCASES B-G

Contact Arizona 811 at least two full working days before you begin excavation

 Call 811 or click Arizona811.com

DRAWING NO.
PP-02
 SHEET NO. 5 OF 9

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CONSTRUCTION REFERENCE NOTES - SHEET PP-02

STAIRCASES B, C, D, AND G

- POWER WASH AND THOROUGHLY CLEAN THE HORIZONTAL AND VERTICAL SURFACES OF THE STAIRCASE AND REMOVE ALL DIRT AND LOOSE MATERIALS.
- PREPARE THE STAIRCASE BY FILLING AND SEALING THE EXISTING CRACKS WITH AN EPOXY GROUT/SEALANT/ADHESIVE SUCH AS SIKADUR 35 HI-MOD LV OR SIKADUR 52.
- REPAIR SPALLED, BROKEN, AND CHIPPED AREAS WITH A MATERIAL SUCH AS QUIKRETE QUICK-SETTING CEMENT WITH QUIKRETE ACRYLIC FORTIFIER.
- RESURFACE AND REFINISH ALL HORIZONTAL AND VERTICAL SURFACES OF THE STAIRCASE WITH THE APPLICATION OF A **3/8-INCH MINIMUM THICKNESS** OF A CONCRETE FINISHING PRODUCT SUCH AS SIKAREPAIR 222.

STAIRCASE B EXTENSION & WALKWAY TO ROOSEVELT ST

- REMOVE THE INTERSECTING 5-STEP STAIRCASE IN ITS ENTIRETY.
 - THERE IS A VOID SPACE BEHIND AND ADJACENT TO THIS STAIRCASE. FILL THE VOID SPACE COMPLETELY WITH 2-SACK CLSM (MAG SPEC 728).
- REMOVE THE EXISTING CONCRETE WALKWAY PAVEMENT BETWEEN STAIRCASE B AND THE SINGLE STEP AT ROOSEVELT ST.
 - SALVAGE SUITABLE SIZED BROKEN CONCRETE FOR USE IN EXTENDING THE DRY STACK CONCRETE RETAINING WALL ON THE WEST SIDE OF STAIRCASE B. PROPERLY DISPOSE OF ANY UNUSED REMOVED CONCRETE.
- IMPORT SUITABLE SOIL FILL MATERIAL AND CONSTRUCT A STRUCTURAL EMBANKMENT COMPACTED TO 100% STANDARD PROCTOR DENSITY (ASTM D698) AS NEEDED TO SUPPORT THE:
 - SIX (6) NEW STEPS AND THEIR CONNECTION TO ROOSEVELT STREET
 - CONCRETE 2-INCH ROLL CURB WIDENING OF THE ROOSEVELT STREET PAVEMENT.
 - FILL FOR THE VOID LEFT BY REMOVAL OF THE INTERSECTING 5-STEP STAIRCASE.
- CONSTRUCT THE NEW SIX-STEP STAIRCASE AT THE TOP OF STAIRCASE B PER THE STEP DETAILS SHOWN ON SHT DT-01.
- INSTALL AN 26-INCH (±) WIDE DETECTABLE WARNING PANEL AT THE TOP OF STAIRCASE B EXTENDING TO THE BACK OF CURB TO BE CONSTRUCTED ON THE SOUTH SIDE OF ROOSEVELT STREET.
- CONSTRUCT A 24-INCH WIDE BY 24-FEET LONG CONCRETE 2-INCH HEIGHT ROLL CURB (MAG STD DTL 260) TO WIDEN THE ROOSEVELT STREET PAVEMENT AS SHOWN ON THE PLANS.
 - INSTALL A 1/2-INCH THICK EXPANSION JOINT BETWEEN THE STAIRCASE CONCRETE AND THE ROLL CURB CONCRETE.
 - USING NEW ASPHALT MATERIAL, FILL IN AND REPAIR THE EXISTING ASPHALT PAVEMENT ALONG THE ROLL CURB TO TRANSITION INTO AND MATCH EXISTING SURFACES.
 - TRANSITION THE 2-INCH ROLL CURB HEIGHT TO A 0-INCH RIBBON CURB OVER THE LAST 1-FOOT ON EACH END OF THE CURB AND GUTTER SECTION.
- USING THE SALVAGED CONCRETE PIECES, CONSTRUCT AN EXTENSION OF THE EXISTING CONCRETE DRY STACK RETAINING WALL ALONG THE EDGE OF STAIRCASE B AND ITS EXTENSION AS NEEDED TO TRANSITION FROM THE CONCRETE STEPS TO THE ADJACENT PROPERTY SURFACE.
 - WALL EXTENSION ESTIMATED TO BE 2-FEET WIDE BY 12-FEET LONG.

STAIRCASE C & TOP LANDING AREA TO STAIRCASE D

- REPAIR THE BOTTOM STOOP OF STAIRCASE C AS SPECIFIED FOR STAIRCASE B.
- POWER WASH AND THOROUGHLY CLEAN THE HORIZONTAL AND VERTICAL SURFACES OF THE STAIRCASE AND TOP LANDING AND REMOVE ALL DIRT AND LOOSE MATERIALS.
- INSTALL A 24-INCH WIDE DETECTABLE WARNING PANEL ON THE RESURFACED STOOP AT THE BOTTOM OF STAIRCASE C, AT THE TOP OF STAIRCASE C, AND AT THE BOTTOM OF STAIRCASE D FOR THE FULL WIDTH OF THE STAIRCASES.
- PROTECT IN PLACE AND LEAVE AS CONSTRUCTED THE TOP SIX STAIRS AND ITS TOP LANDING AREA AS THE SURFACES ARE IN GOOD CONDITION AND HAVE STEEL PROTECTED EDGES.
- FILL THE VOID BENEATH STAIRCASE C AND THE LANDING AREA TO STAIRCASE D.
 - CLEAN OUT DEBRIS, ROCKS, DIRT, AND OTHER LOOSE MATERIALS FROM THE VOID AREA FLUSH WITH THE ROOSEVELT STREET PAVEMENT SURFACE
 - PLACE FORMS ALONG THE VERTICAL FACES OF STAIRCASE C AND ITS TOP LANDING AREA AS NEEDED TO HOLD THE FLOWABLE FILL MATERIAL UNTIL IT IS CURED.
 - PUMP INTO THE VOID BEHIND THE FORMS 2-SACK CEMENT CONTROLLED LOW STRENGTH MATERIAL (MAG SPEC 728) TO COMPLETELY FILL THE VOID.
 - REMOVE THE TEMPORARY FORMS NO SOONER THAN 48 HOURS AND APPLY A CLEAR CONCRETE CURING COMPOUND TO THE EXPOSED CLSM SURFACE.
- IMPROVE THE NORTH EDGE OF ROOSEVELT STREET EAST OF STAIRCASE C.
 - CONSTRUCT AN 8-INCH HIGH SINGLE CURB ALONG THE EDGE OF THE EXISTING ASPHALT STREET PAVEMENT (MAG STD DTL 222, TYPE B) WHERE SHOWN ON THE PLANS. TRANSITION THE 8-INCH VERTICAL CURB HEIGHT TO FLUSH WITH THE STREET PAVEMENT OVER A 1-FOOT LONG LENGTH ON EACH END.
 - CONSTRUCT NEW WALKWAY PAVEMENT BETWEEN THE SINGLE CURB AND THE EXISTING CONCRETE STOOP AT THE BOTTOM OF STAIRCASE C.
 - BLOCKS SHALL BE COLORED TO BLEND WITH THE SURROUNDING LANDSCAPE. COLORS SHALL BE AN EARTHTONE DESERT PALETTE COLORS.
 - A MINIMUM OF 3 COLORS SHALL BE USED TO PRESENT A NATURAL APPEARANCE.
 - SUBMIT PROPOSED BLOCK PATTERN, COLORS, AND METHOD OF ACHIEVING COLORS SCHEMA TO THE TOWN PROJECT MANAGER FOR APPROVAL A MINIMUM OF 2 WEEKS PRIOR TO FABRICATION.

WALKWAY BETWEEN STAIRCASE D & STAIRCASE E

- POWER WASH AND THOROUGHLY CLEAN THE WALKWAY SURFACE AND REMOVE ALL DIRT AND LOOSE MATERIALS.
- PREPARE THE WALKWAY SURFACE BY FILLING AND SEALING THE EXISTING CRACKS WITH AN EPOXY GROUT/SEALANT/ADHESIVE SUCH AS SIKADUR 35 HI-MOD LV OR SIKADUR 52.
 - CONSTRUCT A NEW CONCRETE WALKWAY PAVEMENT, APPROX 7-INCHES AVERAGE THICKNESS, ON TOP OF THE EXISTING CONCRETE WALKWAY SURFACE.
- START THE NEW CONCRETE WALKWAY 12-INCHES FROM THE TOP OF THE LAST STEP ON STAIRCASE D, CREATING A NEW TOP STEP FOR THE STAIRCASE.
- END THE NEW CONCRETE WALKWAY BY MATCHING INTO THE SURFACE OF THE BOTTOM STEP OF STAIRCASE E.
- WALKWAY FINISH SHALL BE A HEAVY BROOM FINISH DUE TO ITS STEEPNESS.
- INSTALL A 24-INCH WIDE DETECTABLE WARNING PANEL AT THE TOP OF STAIRCASE D AND AT THE BOTTOM OF STAIRCASE E FOR THE FULL WIDTH OF THE STAIRCASE.
- FILL THE SPACE CREATED BETWEEN THE NEW WALKWAY AND THE STACKED ROCK RETAINING WALL ON THE EAST SIDE, AND BETWEEN THE NEW WALKWAY AND THE SLOPING GROUND SURFACE ON THE WEST SIDE, WITH RIVER ROCK RANGING IN SIZE FROM 1-INCH TO 3-INCH NOMINAL DIAMETER. RIVER ROCK FILL TO BE FLUSH WITH THE SURFACE OF THE NEW WALKWAY AND STAIRS.

STAIRCASES E & F

- POWER WASH AND THOROUGHLY CLEAN THE HORIZONTAL AND VERTICAL SURFACES OF THE STAIRCASE AND REMOVE ALL DIRT AND LOOSE MATERIALS.
- PREPARE THE STAIRCASE BY FILLING AND SEALING THE EXISTING CRACKS WITH AN EPOXY GROUT/SEALANT/ADHESIVE SUCH AS SIKADUR 35 HI-MOD LV OR SIKADUR 52.
- REPAIR SPALLED, BROKEN, AND CHIPPED AREAS WITH A MATERIAL SUCH AS QUIKRETE QUICK-SETTING CEMENT WITH QUIKRETE ACRYLIC FORTIFIER.
- RESURFACE AND REFINISH ALL HORIZONTAL AND VERTICAL SURFACES OF THE STAIRCASE WITH THE APPLICATION OF A **3/8-INCH MINIMUM THICKNESS** OF A CONCRETE FINISHING PRODUCT SUCH AS SIKAREPAIR 222.
- FILL THE VOIDS BENEATH STAIRCASE E AND STAIRCASE F.
 - CLEAN OUT REACHABLE DEBRIS, ROCKS, DIRT, AND OTHER LOOSE MATERIALS FROM THE VOID AREA.
 - PLACE FORMS ALONG THE VERTICAL FACES OF THE STAIRCASE AS NEEDED TO HOLD THE FLOWABLE FILL MATERIAL UNTIL IT'S CURED.
 - PUMP INTO THE VOIDS BEHIND THE FORMS 2-SACK CEMENT CONTROLLED LOW STRENGTH MATERIAL (MAG SPEC 728) TO COMPLETELY FILL THE VOIDS.
 - REMOVE THE TEMPORARY FORMS NO SOONER THAN 48 HOURS AND APPLY A CLEAR CONCRETE CURING COMPOUND TO THE EXPOSED CLSM SURFACE.

WALKWAY BETWEEN STAIRCASES E & F

- POWER WASH AND THOROUGHLY CLEAN THE WALKWAY SURFACE AND REMOVE ALL DIRT AND LOOSE MATERIALS.
- PREPARE THE STAIRCASE BY FILLING AND SEALING THE EXISTING CRACKS WITH AN EPOXY GROUT/SEALANT/ADHESIVE SUCH AS SIKADUR 35 HI-MOD LV OR SIKADUR 52.
- REPAIR SPALLED, BROKEN, AND CHIPPED AREAS WITH A MATERIAL SUCH AS QUIKRETE QUICK-SETTING CEMENT WITH QUIKRETE ACRYLIC FORTIFIER.
- RESURFACE AND REFINISH THE WALKWAY SURFACE WITH THE APPLICATION OF A **5/8-INCH THICKNESS** OF A CONCRETE FINISHING PRODUCT SUCH AS SIKAREPAIR 222.
 - USE THIS RESURFACING MATERIAL TO LEVEL THE EXISTING WALKWAY ADDING ADDITIONAL THICKNESS WHERE NEEDED TO ELIMINATE FAULTS AND POTENTIAL TRIP HAZARDS.
 - AREAS IN NEED OF SURFACE LEVELING CORRECTION INCLUDE THE FAULT AT THE TOP OF STAIRCASE E AND THE FAULT AT THE LONGITUDINAL CRACK AT THE BASE OF STAIRCASE F.
- THE EXISTING WALKWAY HAS SHALLOW SCORE MARKS AT APPROX. 9-INCH INTERVALS. PROVIDE ONE TRANVERSE CONTRACTION JOINT AT THE MIDPOINT OF THIS WALKWAY THAT MEASURES LESS THAN 8-FEET IN LENGTH IN THE RESURFACING MATERIAL. PROVIDE A CONTRACTION JOINT ALONG THE EXISTING CONCRETE INTERSECTING STAIRS.
- WALKWAY FINISH SHALL BE A HEAVY BROOM FINISH DUE TO ITS STEEPNESS.
- INSTALL A 24-INCH WIDE DETECTABLE WARNING PANEL AT THE TOP OF STAIRCASE E AND AT THE BOTTOM OF STAIRCASE F FOR THE FULL WIDTH OF THE STAIRCASE.

WALKWAY BETWEEN STAIRCASES F & G

- REMOVE THE EXISTING CONCRETE WALKWAY PAVEMENT BETWEEN STAIRCASE F AND STAIRCASE G TO THE SUBGRADE OF THE NEW 5-INCH THICK, 5-FEET WIDE, WALKWAY PAVEMENT.
- PREPARE THE SUBGRADE BY SCARIFYING TO A 6-INCH DEPTH AND RECOMPACT TO 100% STANDARD PROCTOR DENSITY (ASTM D698).
- INSTALL 1/2-INCH EXPANSION JOINT MATERIAL ON EACH END AGAINST THE EXISTING STAIRCASES.
- CONSTRUCT REPLACEMENT CONCRETE PAVEMENT, 5-INCH THICK, 5-FEET WIDE, WITH CLASS AA, 4,000 PSI, CONCRETE ON THE PREPARED SUBGRADE WITH A CROSS-SLOPE OF 1.5% (1-INCH FALL MAX. OVER 5 FEET).
- SAWCUT OR HAND TOOL THE CONTRACTION JOINTS IN THE PLASTIC CONCRETE WHERE SHOWN AND FILL WITH SIKAFLEX-1A ELASTOMERIC JOINT SEALANT.
- INSTALL A 24-INCH WIDE DETECTABLE WARNING PANEL AT THE TOP OF STAIRCASE F AND AT THE BOTTOM OF STAIRCASE G FOR THE FULL WIDTH OF THE STAIRS.
- WALKWAY FINISH SHALL BE A HEAVY BROOM FINISH DUE TO ITS STEEPNESS.

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RICK

PROJECT NO: 7045
DATE: 9/16/2024

DRAWN/DESIGNED BY: K. ROECKNER
CHECKED BY: D. MILLER

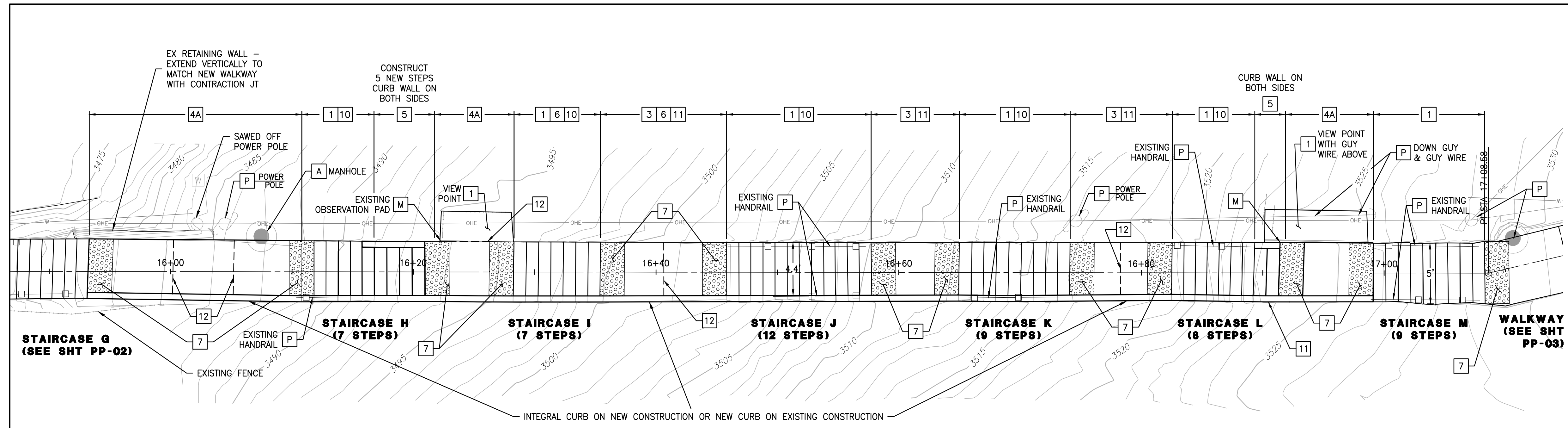
**KEYSTONE STAIRS
RENOVATION PROJECT**

TOWN OF MIAMI, ARIZONA

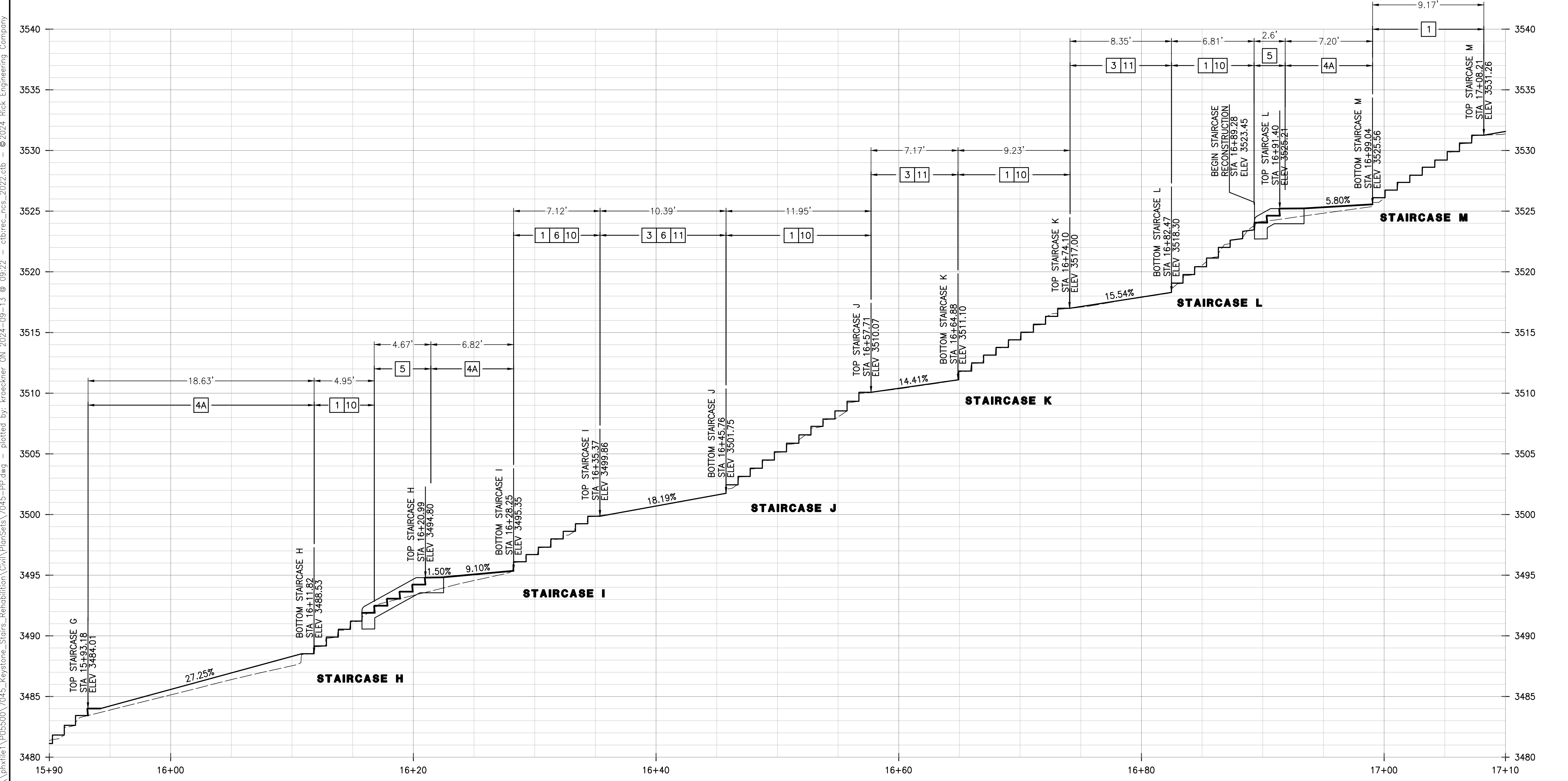
**CONSTRUCTION REFERENCE NOTES,
STAIRCASES B-G**



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STAIRCASES H-M
FOR CONSTRUCTION REFERENCE NOTES, SEE SHEET PP-03N



| REMOVAL NOTES | |
|---------------|---|
| NO. | DESCRIPTION |
| 1 | REMOVE EXISTING CONCRETE WALKWAY |
| 2 | REMOVE EXISTING STAIRCASE AND FILL UNDERLYING VOID WITH 2-SACK CLSM |
| 3 | REMOVE EXISTING WOOD RETAINING WALL |
| 4 | SAW OFF STUB PIPE FLUSH WITH STEP AND FILL VOID WITH CONCRETE |

| CONSTRUCTION NOTES | |
|--------------------|---|
| NO. | DESCRIPTION |
| 1 | REPAIR & RESURFACE EXISTING STAIRS (3/8" MIN RESURFACING DEPTH) |
| 2 | RECONSTRUCT CONCRETE WALKWAY (5" DEPTH) |
| 3 | REPAIR & RESURFACE EXISTING CONCRETE WALKWAY (5/8" MIN RESURFACING DEPTH) |
| 4 | CONSTRUCT CONCRETE WALKWAY ON TOP OF EXISTING CONCRETE (7" NOMINAL DEPTH) |
| 4A | CONSTRUCT CONCRETE WALKWAY ON TOP OF EXISTING CONCRETE (7" NOMINAL DEPTH) WITH INTEGRAL CURB WALL ON EAST SIDE |
| 5 | CONSTRUCT NEW STEPS PER DETAIL A, SHEET DT-01 - 7" RISE, 12" TREAD DEPTH, 5' WIDTH |
| 6 | FILL UNDERLYING VOID WITH SLURRY (2-SACK CLSM) |
| 7 | INSTALL 24" WIDE DETECTABLE WARNING, TERRACOTTA RED IN COLOR |
| 8 | CONSTRUCT SINGLE CURB PER MAG STD DTL 222, TYPE B - 10" HEIGHT, 20" BELOW GRADE |
| 9 | CONSTRUCT SEGMENTAL BLOCK CONCRETE RETAINING WALL, 30" HEIGHT |
| 10 | CONSTRUCT 6" WIDTH x 5" MIN HEIGHT CURB WALL ON EAST SIDE OF EXISTING STAIRS |
| 11 | CONSTRUCT CURB WALL, 6"W x 6"H ON EAST SIDE OF EXISTING WALKWAY |
| 12 | INSTALL CONTRACTION JOINT |
| 13 | INSTALL EXPANSION JOINT |
| 14 | CONSTRUCT 2" ROLL CURB PER MAG STD DTL 260 |
| 15 | CONSTRUCT STACKED CONCRETE RETAINING WALL USING SALVAGED CONCRETE PIECES, 2' WIDTH, SIMILAR TO EXISTING WALL CONSTRUCTION |
| 16 | ASPHALT REPAIR AREA (INCIDENTAL WORK), 12" WIDTH OR AS NEEDED |
| M | MATCH EXISTING |
| S | SAWCUT & MATCH EXISTING |
| P | PROTECT IN PLACE |
| A | ADJUST TO FINISHED GRADE |

| GENERAL NOTES | |
|---------------|---|
| 1 | STATIONING IS ALONG THE ESTABLISHED CENTERLINE OF THE STAIRS AND WALKWAYS AS SHOWN. |
| 2 | PROTECT IN PLACE ALL EXISTING HANDRAILS EXCEPT WHERE NOTED |
| 3 | REMOVE VEGETATION, BUSHES, & SMALL TREES WITHIN 3' OF THE WALKWAY AND STAIRCASE EDGES. PRUNE BACK ANY BRANCHES THAT OVERHANG ONTO THE WALKWAYS OR STAIRCASES AT LEAST 3' AWAY FROM THE EDGES (INCIDENTAL WORK). |
| 4 | EXISTING STAIRS AND WALKWAYS ARE FIVE (5) FEET WIDE UNLESS OTHERWISE NOTED. |

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SANTA CLARITA PHOENIX TUCSON LAS VEGAS DENVER

PROJECT NO: 7045 DRAWN/DESIGNED BY: K. ROECKNER
DATE: 9/16/2024 CHECKED BY: D. MILLER

**KEYSTONE STAIRS
RENOVATION PROJECT**

TOWN OF MIAMI, ARIZONA

**PLAN & PROFILE
STAIRCASES H-M**

DRAWING NO.
PP-03
SHEET NO. 7 OF 9

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CONSTRUCTION REFERENCE NOTES - SHEET PP-03

WALKWAY BETWEEN STAIRCASES G & H

- 1. REMOVE ANY EXISTING ROCK, DIRT, AND DEBRIS FROM THE WALKWAY.
2. POWER WASH AND THOROUGHLY CLEAN THE WALKWAY SURFACE AND REMOVE ALL DIRT AND LOOSE MATERIALS.
3. PREPARE THE WALKWAY BY FILLING AND SEALING THE EXISTING CRACKS WITH AN EPOXY GROUT/SEALANT/ADHESIVE SUCH AS SIKADUR 35 HI-MOD LV OR SIKADUR 52.
4. CONSTRUCT A NEW CONCRETE WALKWAY PAVEMENT, APPROX 7-INCHES AVERAGE THICKNESS, ON TOP OF THE EXISTING CONCRETE WALKWAY SURFACE.
4.A. THE NEW CONCRETE WALKWAY SHALL HAVE A 6-INCH WIDE X 6-INCH HIGH CURB WALL INTEGRALLY POURED ALONG ITS EAST EDGE TO HELP KEEP ROCK AND DIRT FROM WASHING ONTO THE WALKWAY SURFACE.
4.B. THE EXISTING CONCRETE WALL ALONG THE WEST SIDE OF THE WALKWAY SHALL BE EXTENDED VERTICALLY TO MATCH THE SURFACE ELEVATION OF THE NEW WALKWAY PAVEMENT FOR THE CONTINUOUS LENGTH OF THE WALL WHICH TERMINATES AT THE EXISTING POWER POLE. A CONTRACTION JOINT SHALL SEPARATE THE WALL EXTENSION FROM THE WALKWAY PAVEMENT EDGE.
4.C. START THE NEW CONCRETE WALKWAY 12-INCHES FROM THE TOP OF THE LAST STEP ON STAIRCASE G, CREATING A NEW TOP STEP FOR THE STAIRCASE.
4.D. END THE NEW CONCRETE WALKWAY BY MATCHING INTO THE SURFACE OF THE BOTTOM STEP OF STAIRCASE H.
5. WALKWAY FINISH SHALL BE A HEAVY BROOM FINISH DUE TO ITS STEEPNESS.
6. INSTALL A 24-INCH WIDE DETECTABLE WARNING PANEL AT THE TOP OF STAIRCASE G AND AT THE BOTTOM OF STAIRCASE H FOR THE FULL WIDTH OF THE STAIRCASE.
7. ADJUST THE EXISTING MANHOLE RING & COVER TO BE FLUSH WITH THE SURFACE OF THE NEW CONCRETE WALKWAY. CONSTRUCT A PARTIAL CONCRETE COLLAR AROUND THE PERIMETER OF THE MANHOLE CASTING THAT IS LOCATED WEST OF THE NEW SIDEWALK PAVEMENT, WITH A CONTRACTION JOINT SEPARATING THE MANHOLE COLLAR FROM THE NEW SIDEWALK PAVEMENT.

STAIRCASE H

- 1. REMOVE ANY EXISTING ROCK, DIRT, AND DEBRIS FROM THE STAIRCASE.
2. POWER WASH AND THOROUGHLY CLEAN THE HORIZONTAL AND VERTICAL SURFACES OF THE STAIRCASE AND REMOVE ALL DIRT AND LOOSE MATERIALS.
3. PREPARE THE STAIRCASE BY FILLING AND SEALING THE EXISTING CRACKS WITH AN EPOXY GROUT/SEALANT/ADHESIVE SUCH AS SIKADUR 35 HI-MOD LV OR SIKADUR 52.
4. REPAIR SPALLED, BROKEN, AND CHIPPED AREAS WITH A MATERIAL SUCH AS QUIKRETE QUICK-SETTING CEMENT WITH QUIKRETE ACRYLIC FORTIFIER.
5. RESURFACE AND REFINISH ALL HORIZONTAL AND VERTICAL SURFACES OF THE STAIRCASE WITH THE APPLICATION OF A 3/8-INCH MINIMUM THICKNESS OF A CONCRETE FINISHING PRODUCT SUCH AS SIKAREPAIR 222.
6. CONSTRUCT A CONCRETE CURB WALL MEASURING 6-INCHES WIDE BY 5-INCHES MINIMUM HEIGHT ON TOP OF THE EXISTING CONCRETE ALONG THE EAST EDGE OF THE STAIRCASE.
6.A. NEW CONCRETE CURB WALL TO BE CONSTRUCTED AROUND EXISTING HAND RAIL POSTS EMBEDDING THE POSTS WITHIN THE CONCRETE.

WALKWAY BETWEEN STAIRCASES H & I

- 1. REMOVE ANY EXISTING ROCK, DIRT, AND DEBRIS FROM THE WALKWAY.
2. POWER WASH AND THOROUGHLY CLEAN THE WALKWAY SURFACE AND REMOVE ALL DIRT AND LOOSE MATERIALS.
3. PREPARE THE EXISTING WALKWAY BY FILLING AND SEALING THE EXISTING CRACKS WITH AN EPOXY GROUT/SEALANT/ADHESIVE SUCH AS SIKADUR 35 HI-MOD LV OR SIKADUR 52.
4. CONSTRUCT THE NEW FIVE-STEP STAIRCASE AT THE TOP OF STAIRCASE H PER THE STEP DETAILS SHOWN ON SHT DT-01 DIRECTLY ON TOP OF THE PREPARED EXISTING WALKWAY PAVEMENT USING A THICKENED CONCRETE SECTION AS REQUIRED.
5. CONSTRUCT THE NEW WALKWAY PAVEMENT FROM THE TOP OF THE ADDED STAIRCASE TO THE BOTTOM OF STAIRCASE I DIRECTLY ON TOP OF THE PREPARED EXISTING WALKWAY PAVEMENT USING A THICKENED CONCRETE SECTION AS REQUIRED.
5.A. REMOVE A SUFFICIENT LENGTH (ESTIMATED AT 3 FEET) OF EXISTING CONCRETE WALKWAY APPROACHING STAIRCASE I FOR ITS FULL DEPTH SO A NEW 5-INCH THICK CONCRETE SIDEWALK CAN CONNECT AT OR SLIGHTLY ABOVE THE BOTTOM STEP OF STAIRCASE I. COMPACT THE EXPOSED SUBGRADE TO 100% OF STANDARD PROCTOR DENSITY (ASTM D698).
5.B. THE NEW CONCRETE WALKWAY AND STAIRCASE EXTENSION SHALL HAVE A 6-INCH WIDE X 6-INCH HIGH CURB WALL INTEGRALLY POURED ALONG ITS EAST EDGE TO HELP KEEP ROCK AND DIRT FROM WASHING ONTO THE WALKWAY AND STAIR SURFACES.
6. WALKWAY FINISH SHALL BE A HEAVY BROOM FINISH.
7. INSTALL A 24-INCH WIDE DETECTABLE WARNING PANEL AT THE TOP OF STAIRCASE H AND AT THE BOTTOM OF STAIRCASE I.
8. REPAIR THE HORIZONTAL AND VERTICAL SURFACES OF THE EXISTING VIEWPOINT CONCRETE SLAB AS SPECIFIED FOR STAIRCASE H EXCEPT NO CONCRETE CURB WALLS ARE REQUIRED ON THE VIEWPOINT.
8.A. PROVIDE A CONTRACTION JOINT BETWEEN THE WALKWAY CONCRETE AND THE EXISTING VIEWPOINT CONCRETE.

STAIRCASE I

- 1. REMOVE ANY EXISTING ROCK, DIRT, AND DEBRIS FROM THE STAIRCASE.
2. POWER WASH AND THOROUGHLY CLEAN THE HORIZONTAL AND VERTICAL SURFACES OF THE STAIRCASE AND REMOVE ALL DIRT AND LOOSE MATERIALS.
3. PREPARE THE STAIRCASE BY FILLING AND SEALING THE EXISTING CRACKS WITH AN EPOXY GROUT/SEALANT/ADHESIVE SUCH AS SIKADUR 35 HI-MOD LV OR SIKADUR 52.
4. REPAIR SPALLED, BROKEN, AND CHIPPED AREAS WITH A MATERIAL SUCH AS QUIKRETE QUICK-SETTING CEMENT WITH QUIKRETE ACRYLIC FORTIFIER.
5. RESURFACE AND REFINISH ALL HORIZONTAL AND VERTICAL SURFACES OF THE STAIRCASE WITH THE APPLICATION OF A 3/8-INCH MINIMUM THICKNESS OF A CONCRETE FINISHING PRODUCT SUCH AS SIKAREPAIR 222.
6. CONSTRUCT A CONCRETE CURB WALL MEASURING 6-INCHES WIDE BY 5-INCHES MINIMUM HEIGHT ON TOP OF THE EXISTING CONCRETE ALONG THE EAST EDGE OF THE STAIRCASE.
7. FILL THE VOIDS BENEATH STAIRCASE I.
7.A. CLEAN OUT REACHABLE DEBRIS, ROCKS, DIRT, AND OTHER LOOSE MATERIALS FROM THE VOID AREA.
7.B. PLACE FORMS ALONG THE VERTICAL FACES OF THE STAIRCASE AS NEEDED TO HOLD THE FLOWABLE FILL MATERIAL UNTIL IT'S CURED.
7.C. PUMP INTO THE VOIDS BEHIND THE FORMS 2-SACK CEMENT CONTROLLED LOW STRENGTH MATERIAL (MAG SPEC 728) TO COMPLETELY FILL THE VOIDS.
7.D. REMOVE THE TEMPORARY FORMS NO SOONER THAN 48 HOURS AND APPLY A CLEAR CONCRETE CURING COMPOUND TO THE EXPOSED CLSM SURFACE.

WALKWAY BETWEEN STAIRCASES I & J

- 1. REMOVE ANY EXISTING ROCK, DIRT, AND DEBRIS FROM THE WALKWAY.
2. POWER WASH AND THOROUGHLY CLEAN THE WALKWAY SURFACE AND REMOVE ALL DIRT AND LOOSE MATERIALS.
3. PREPARE THE STAIRCASE BY FILLING AND SEALING THE EXISTING CRACKS WITH AN EPOXY GROUT/SEALANT/ADHESIVE SUCH AS SIKADUR 35 HI-MOD LV OR SIKADUR 52.
4. REPAIR SPALLED, BROKEN, AND CHIPPED AREAS WITH A MATERIAL SUCH AS QUIKRETE QUICK-SETTING CEMENT WITH QUIKRETE ACRYLIC FORTIFIER.
5. RESURFACE AND REFINISH THE WALKWAY SURFACE WITH THE APPLICATION OF A 5/8-INCH THICKNESS OF A CONCRETE FINISHING PRODUCT SUCH AS SIKAREPAIR 222.
5.A. USE THIS RESURFACING MATERIAL TO LEVEL THE EXISTING WALKWAY ADDING ADDITIONAL THICKNESS WHERE NEEDED TO ELIMINATE FAULTS AND POTENTIAL TRIP HAZARDS.
5.B. AREAS IN NEED OF SURFACE LEVELING CORRECTION INCLUDE THE FAULT AT THE TOP OF STAIRCASE I.
6. PROVIDE A CONTRACTION JOINT IN THE RESURFACING MATERIAL OVER THE JOINT AT THE TOP OF STAIRCASE I AND AT THE MIDPOINT TO STAIRCASE J.
7. WALKWAY FINISH SHALL BE A HEAVY BROOM FINISH DUE TO ITS STEEPNESS.
8. INSTALL A 24-INCH WIDE DETECTABLE WARNING PANEL AT THE TOP OF STAIRCASE I AND AT THE BOTTOM OF STAIRCASE J FOR THE FULL WIDTH OF THE STAIRCASE.
9. FILL THE VOIDS BENEATH THE WALKWAY.
9.A. CLEAN OUT REACHABLE DEBRIS, ROCKS, DIRT, AND OTHER LOOSE MATERIALS FROM THE VOID AREA.
9.B. PLACE FORMS ALONG THE VERTICAL FACES OF THE STAIRCASE AS NEEDED TO HOLD THE FLOWABLE FILL MATERIAL UNTIL IT'S CURED.
9.C. PUMP INTO THE VOIDS BEHIND THE FORMS 2-SACK CEMENT CONTROLLED LOW STRENGTH MATERIAL (MAG SPEC 728) TO COMPLETELY FILL THE VOIDS.
9.D. REMOVE THE TEMPORARY FORMS NO SOONER THAN 48 HOURS AND APPLY A CLEAR CONCRETE CURING COMPOUND TO THE EXPOSED CLSM SURFACE.

STAIRCASES J, K, & L

- 1. REMOVE ANY EXISTING ROCK, DIRT, AND DEBRIS FROM THE STAIRCASE.
2. POWER WASH AND THOROUGHLY CLEAN THE HORIZONTAL AND VERTICAL SURFACES OF THE STAIRCASE AND REMOVE ALL DIRT AND LOOSE MATERIALS.
3. PREPARE THE STAIRCASE BY FILLING AND SEALING THE EXISTING CRACKS WITH AN EPOXY GROUT/SEALANT/ADHESIVE SUCH AS SIKADUR 35 HI-MOD LV OR SIKADUR 52.
4. REPAIR SPALLED, BROKEN, AND CHIPPED AREAS WITH A MATERIAL SUCH AS QUIKRETE QUICK-SETTING CEMENT WITH QUIKRETE ACRYLIC FORTIFIER.
5. RESURFACE AND REFINISH ALL HORIZONTAL AND VERTICAL SURFACES OF THE STAIRCASE WITH THE APPLICATION OF A 3/8-INCH MINIMUM THICKNESS OF A CONCRETE FINISHING PRODUCT SUCH AS SIKAREPAIR 222.
6. CONSTRUCT A CONCRETE CURB WALL MEASURING 6-INCHES WIDE BY 5-INCHES MINIMUM HEIGHT ON TOP OF THE EXISTING CONCRETE ALONG THE EAST EDGE OF THE STAIRCASE.
6.A. NEW CONCRETE CURB WALL TO BE CONSTRUCTED AROUND EXISTING HAND RAIL POSTS EMBEDDING THE POSTS WITHIN THE CONCRETE.

WALKWAYS BETWEEN STAIRCASES J & K AND BETWEEN K & L

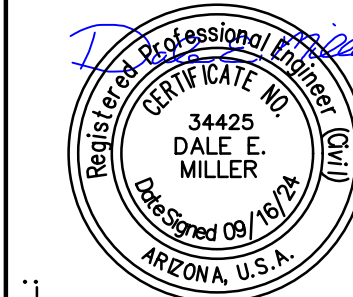
- 1. REMOVE ANY EXISTING ROCK, DIRT, AND DEBRIS FROM THE WALKWAY.
2. POWER WASH AND THOROUGHLY CLEAN THE WALKWAY SURFACE AND REMOVE ALL DIRT AND LOOSE MATERIALS.
3. PREPARE THE STAIRCASE BY FILLING AND SEALING THE EXISTING CRACKS WITH AN EPOXY GROUT/SEALANT/ADHESIVE SUCH AS SIKADUR 35 HI-MOD LV OR SIKADUR 52.
4. REPAIR SPALLED, BROKEN, AND CHIPPED AREAS WITH A MATERIAL SUCH AS QUIKRETE QUICK-SETTING CEMENT WITH QUIKRETE ACRYLIC FORTIFIER.
5. THE EXISTING CONCRETE WALKWAY SHALL HAVE A 6-INCH WIDE X 6-INCH HIGH CURB WALL CONSTRUCTED ALONG ITS EAST EDGE TO HELP KEEP ROCK AND DIRT FROM WASHING ONTO THE WALKWAY SURFACE.
6. RESURFACE AND REFINISH THE WALKWAY SURFACE WITH THE APPLICATION OF A 5/8-INCH THICKNESS OF A CONCRETE FINISHING PRODUCT SUCH AS SIKAREPAIR 222.
6.A. USE THIS RESURFACING MATERIAL TO LEVEL THE EXISTING WALKWAY ADDING ADDITIONAL THICKNESS WHERE NEEDED TO ELIMINATE FAULTS AND POTENTIAL TRIP HAZARDS.
7. PROVIDE A CONTRACTION JOINT IN THE RESURFACING MATERIAL OVER ANY EXISTING CONTRACTION JOINT AND WHERE THE SPACING BETWEEN CONTRACTION JOINTS EXCEED 7.5 FEET.
8. WALKWAY FINISH SHALL BE A HEAVY BROOM FINISH DUE TO ITS STEEPNESS.
9. INSTALL A 24-INCH WIDE DETECTABLE WARNING PANEL AT THE TOP OF DOWNHILL STAIRCASE AND AT THE BOTTOM OF UPHILL STAIRCASE FOR THE FULL WIDTH OF THE STAIRCASE.

WALKWAY BETWEEN STAIRCASES L & M

- 1. REMOVE ANY EXISTING ROCK, DIRT, AND DEBRIS FROM THE WALKWAY.
2. POWER WASH AND THOROUGHLY CLEAN THE WALKWAY SURFACE AND REMOVE ALL DIRT AND LOOSE MATERIALS.
3. PREPARE THE EXISTING WALKWAY BY FILLING AND SEALING THE EXISTING CRACKS WITH AN EPOXY GROUT/SEALANT/ADHESIVE SUCH AS SIKADUR 35 HI-MOD LV OR SIKADUR 52.
4. CONSTRUCT THE NEW TWO-STEP STAIRCASE AT THE TOP OF STAIRCASE L PER THE STEP DETAILS SHOWN ON SHT DT-01 DIRECTLY ON TOP OF THE PREPARED EXISTING WALKWAY PAVEMENT USING A THICKENED CONCRETE SECTION AS REQUIRED.
5. CONSTRUCT THE NEW WALKWAY PAVEMENT FROM THE TOP OF THE ADDED STAIRCASE TO THE BOTTOM OF STAIRCASE M DIRECTLY ON TOP OF THE PREPARED EXISTING WALKWAY PAVEMENT USING A THICKENED CONCRETE SECTION AS REQUIRED.
5.A. REMOVE A SUFFICIENT LENGTH (ESTIMATED AT 3 FEET) OF EXISTING CONCRETE WALKWAY APPROACHING STAIRCASE M FOR ITS FULL DEPTH SO A NEW 5-INCH THICK CONCRETE SIDEWALK CAN CONNECT AT OR SLIGHTLY ABOVE THE BOTTOM STEP OF STAIRCASE M. COMPACT THE EXPOSED SUBGRADE TO 100% OF STANDARD PROCTOR DENSITY (ASTM D698).
5.B. THE NEW CONCRETE WALKWAY SHALL HAVE A 6-INCH WIDE X 6-INCH HIGH CURB WALL INTEGRALLY POURED ALONG ITS EAST EDGE TO HELP KEEP ROCK AND DIRT FROM WASHING ONTO THE WALKWAY SURFACE.
6. WALKWAY FINISH SHALL BE A HEAVY BROOM FINISH.
7. INSTALL A 24-INCH WIDE DETECTABLE WARNING PANEL AT THE NEW TOP OF STAIRCASE L AND AT THE BOTTOM OF STAIRCASE M.
8. PROTECT IN PLACE THE EXISTING VIEWPOINT CONCRETE SLAB AND MATCH INTO THE VIEWPOINT CONCRETE WITH THE NEW WALKWAY CONSTRUCTION.
8.A. REPAIR THE EXISTING VIEWPOINT CONCRETE AS SPECIFIED FOR STAIRCASE M.
8.B. PROVIDE A CONTRACTION JOINT BETWEEN THE WALKWAY CONCRETE AND THE EXISTING VIEWPOINT CONCRETE.

STAIRCASE M

- 1. REMOVE ANY EXISTING ROCK, DIRT, AND DEBRIS FROM THE STAIRCASE.
2. POWER WASH AND THOROUGHLY CLEAN THE HORIZONTAL AND VERTICAL SURFACES OF THE STAIRCASE AND REMOVE ALL DIRT AND LOOSE MATERIALS.
3. PREPARE THE STAIRCASE BY FILLING AND SEALING THE EXISTING CRACKS WITH AN EPOXY GROUT/SEALANT/ADHESIVE SUCH AS SIKADUR 35 HI-MOD LV OR SIKADUR 52.
4. REPAIR SPALLED, BROKEN, AND CHIPPED AREAS WITH A MATERIAL SUCH AS QUIKRETE QUICK-SETTING CEMENT WITH QUIKRETE ACRYLIC FORTIFIER.
5. RESURFACE AND REFINISH ALL HORIZONTAL AND VERTICAL SURFACES OF THE STAIRCASE WITH THE APPLICATION OF A 3/8-INCH MINIMUM THICKNESS OF A CONCRETE FINISHING PRODUCT SUCH AS SIKAREPAIR 222.



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RICK ENGINEERING

KEYSTONE STAIRS RENOVATION PROJECT
TOWN OF MIAMI, ARIZONA

CONSTRUCTION REFERENCE NOTES, STAIRCASES H-M

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PROJECT NO:

7045

DRAWN/DESIGNED BY:

K. ROECKNER

CHECKED BY:

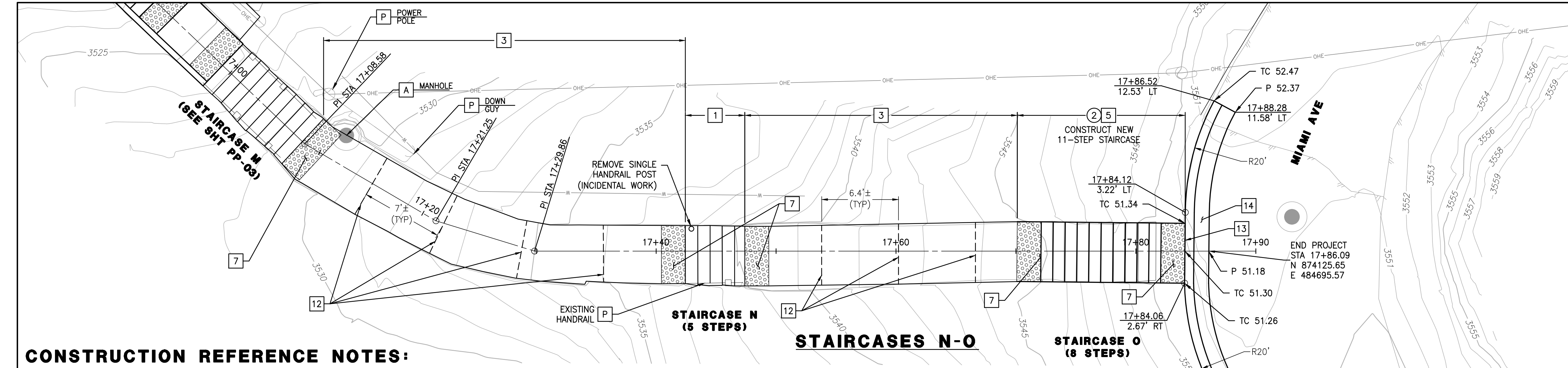
D. MILLER



DRAWING NO.

PP-03N

SHEET NO. 8 OF 9



CONSTRUCTION REFERENCE NOTES:

WALKWAY BETWEEN STAIRCASES M & N

1. REMOVE ANY EXISTING ROCK, DIRT, AND DEBRIS FROM THE WALKWAY.
2. POWER WASH AND THOROUGHLY CLEAN THE WALKWAY SURFACE AND REMOVE ALL DIRT AND LOOSE MATERIALS.
3. PREPARE THE STAIRCASE BY FILLING AND SEALING THE EXISTING CRACKS WITH AN EPOXY GROUT/SEALANT/ADHESIVE SUCH AS SIKADUR 35 HI-MOD LV OR SIKADUR 52.
4. REPAIR SPALLED, BROKEN, AND CHIPPED AREAS WITH A MATERIAL SUCH AS QUIKRETE QUICK-SETTING CEMENT WITH QUIKRETE ACRYLIC FORTIFIER.
5. RESURFACE AND REFINISH THE WALKWAY SURFACE WITH THE APPLICATION OF A 5/8-INCH THICKNESS OF A CONCRETE FINISHING PRODUCT SUCH AS SIKAREPAIR 222.
 - 5.A. USE THIS RESURFACING MATERIAL TO LEVEL THE EXISTING WALKWAY ADDING ADDITIONAL THICKNESS WHERE NEEDED TO ELIMINATE FAULTS AND POTENTIAL TRIP HAZARDS.
6. PROVIDE A CONTRACTION JOINT IN THE RESURFACING MATERIAL EQUALLY SPACED BETWEEN STAIRCASES AT APPROXIMATELY A 7-FOOT INTERVAL ALONG THE WALKWAY CENTERLINE.
7. WALKWAY FINISH SHALL BE A HEAVY BROOM FINISH.
8. INSTALL A 24-INCH WIDE DETECTABLE WARNING PANEL AT THE TOP OF STAIRCASE M AND AT THE BOTTOM OF STAIRCASE N FOR THE FULL WIDTH OF THE STAIRCASE.
9. ADJUST THE EXISTING MANHOLE RING & COVER TO BE FLUSH WITH THE SURFACE OF THE NEW CONCRETE WALKWAY.

STAIRCASE N

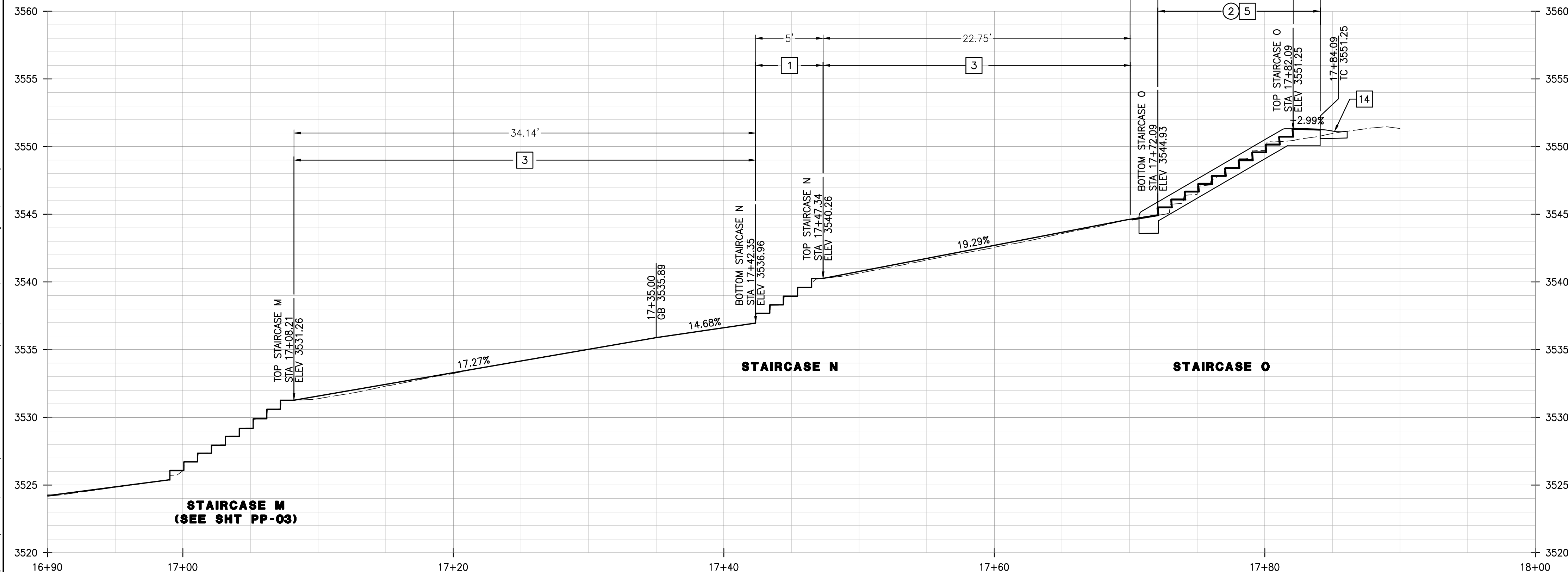
1. REMOVE ANY EXISTING ROCK, DIRT, AND DEBRIS FROM THE STAIRCASE.
2. POWER WASH AND THOROUGHLY CLEAN THE HORIZONTAL AND VERTICAL SURFACES OF THE STAIRCASE AND REMOVE ALL DIRT AND LOOSE MATERIALS.
3. REMOVE THE SINGLE HANDRAIL POST BY SAWING IT OFF FLUSH WITH THE STEP SURFACE AND FILLING THE POST WITH NON-SHRINK CEMENT GROUT SUCH AS SIKAGROUT-212.
4. PREPARE THE STAIRCASE BY FILLING AND SEALING THE EXISTING CRACKS WITH AN EPOXY GROUT/SEALANT/ADHESIVE SUCH AS SIKADUR 35 HI-MOD LV OR SIKADUR 52.
5. REPAIR SPALLED, BROKEN, AND CHIPPED AREAS WITH A MATERIAL SUCH AS QUIKRETE QUICK-SETTING CEMENT WITH QUIKRETE ACRYLIC FORTIFIER.
6. RESURFACE AND REFINISH ALL HORIZONTAL AND VERTICAL SURFACES OF THE STAIRCASE WITH THE APPLICATION OF A 3/8-INCH MINIMUM THICKNESS OF A CONCRETE FINISHING PRODUCT SUCH AS SIKAREPAIR 222.

WALKWAY BETWEEN STAIRCASES N & O

1. REMOVE ANY EXISTING ROCK, DIRT, AND DEBRIS FROM THE WALKWAY.
2. POWER WASH AND THOROUGHLY CLEAN THE WALKWAY SURFACE AND REMOVE ALL DIRT AND LOOSE MATERIALS.
3. PREPARE THE STAIRCASE BY FILLING AND SEALING THE EXISTING CRACKS WITH AN EPOXY GROUT/SEALANT/ADHESIVE SUCH AS SIKADUR 35 HI-MOD LV OR SIKADUR 52.
4. REPAIR SPALLED, BROKEN, AND CHIPPED AREAS WITH A MATERIAL SUCH AS QUIKRETE QUICK-SETTING CEMENT WITH QUIKRETE ACRYLIC FORTIFIER.
5. RESURFACE AND REFINISH THE WALKWAY SURFACE WITH THE APPLICATION OF A 5/8-INCH THICKNESS OF A CONCRETE FINISHING PRODUCT SUCH AS SIKAREPAIR 222.
 - 5.A. USE THIS RESURFACING MATERIAL TO LEVEL THE EXISTING WALKWAY ADDING ADDITIONAL THICKNESS WHERE NEEDED TO ELIMINATE FAULTS AND POTENTIAL TRIP HAZARDS.
6. PROVIDE A CONTRACTION JOINT IN THE RESURFACING MATERIAL EQUALLY SPACED BETWEEN STAIRCASES AT APPROXIMATELY AT 6-FOOT INTERVALS ALONG THE WALKWAY CENTERLINE.
7. WALKWAY FINISH SHALL BE A HEAVY BROOM FINISH.
8. INSTALL A 24-INCH WIDE DETECTABLE WARNING PANEL AT THE TOP OF STAIRCASE N FOR THE FULL WIDTH OF THE STAIRCASE.

STAIRCASE O & CONNECTION TO MIAMI AVE

1. COMPLETELY REMOVE AND DISPOSE OF ALL EIGHT (8) STEPS OF STAIRCASE O.
2. FURNISH, PLACE, AND COMPACT AGGREGATE BASE COURSE CRUSHED ROCK MATERIAL TO THE SUBGRADE OF THE NEW REPLACEMENT STAIRCASE.
 - 2.A. THE CRUSHED ROCK BASE MATERIAL SHALL EXTEND AT LEAST 1 FOOT BEYOND THE EDGE OF THE STAIRCASE ON EACH SIDE.
 - 2.B. COMPACT ABC TO 100% STANDARD PROCTOR DENSITY (ASTM D698)
3. CONSTRUCT THE NEW 11-STEP REPLACEMENT STAIRCASE PER THE STEP DETAILS SHOWN ON SHT DT-01.
4. INSTALL A 24-INCH WIDE DETECTABLE WARNING PANEL AT THE BOTTOM LANDING OF NEW STAIRCASE O AND AT THE TOP LANDING OF NEW STAIRCASE O FOR THE FULL WIDTH OF THE STAIRCASE.
5. FURNISH, PLACE, AND COMPACT AGGREGATE BASE COURSE CRUSHED ROCK FILL MATERIAL AS NEEDED ALONG THE EXISTING ROAD EDGE OF MIAMI AVENUE TO THE SUBGRADE OF THE 2-INCH ROLL CURB AND GUTTER SECTION.
 - 5.A. THE CRUSHED ROCK BASE MATERIAL SHALL EXTEND AT LEAST 1 FOOT BEYOND THE BACK OF CURB LINE ALONG THE TOP OF THE DOWNSLOPE.
6. CONSTRUCT A 24" WIDE ROLL CURB AND GUTTER SECTION (MAG STD DTL 260) FROM THE END OF THE EXISTING ASPHALT PAVEMENT TO THE WEST ALONG A 20-FOOT RADIUS CURVE TO THE TOP OF STAIRCASE O, THEN ALONG A 20-FOOT RADIUS CURVE TO THE EAST ENDING AT A POINT APPROX. 24- FEET FROM THE START OF THE CURB AND GUTTER SECTION.
 - 6.A. THE ELEVATION AT THE TOP OF CURB AT THE STAIRCASE SHALL MATCH THE ELEVATION AT THE TOP OF THE STAIRCASE PAVEMENT.
 - 6.B. AT THE INTERFACE OF THE BACK OF CURB AND THE TOP OF STAIRCASE O, INSTALL A 1/2-INCH EXPANSION JOINT.
7. STABILIZE THE SURFACE OF THE CRUSHED ROCK BASE MATERIAL BEHIND THE BACK OF CURB WITH ASPHALT CONCRETE PAVEMENT MATERIAL COMPACTED TO THE GREATEST EXTENT POSSIBLE WITH HAND COMPACTORS.
8. REGRADE THE GRANULAR SURFACED ROAD TO MATCH AND BLEND INTO THE 2-INCH ROLL CURB AND GUTTER SECTION.



| REMOVAL NOTES | |
|---------------|---|
| NO. | DESCRIPTION |
| 1 | REMOVE EXISTING CONCRETE WALKWAY |
| 2 | REMOVE EXISTING STAIRCASE AND FILL UNDERLYING VOID WITH 2-SACK CLSM |
| 3 | REMOVE EXISTING WOOD RETAINING WALL |
| 4 | SAW OFF STUB PIPE FLUSH WITH STEP AND FILL VOID WITH CONCRETE |

| CONSTRUCTION NOTES | |
|--------------------|---|
| NO. | DESCRIPTION |
| 1 | REPAIR & RESURFACE EXISTING STAIRS (3/8" MIN RESURFACING DEPTH) |
| 2 | RECONSTRUCT CONCRETE WALKWAY (5" DEPTH) |
| 3 | REPAIR & RESURFACE EXISTING CONCRETE WALKWAY (5/8" MIN RESURFACING DEPTH) |
| 4 | CONSTRUCT CONCRETE WALKWAY ON TOP OF EXISTING CONCRETE (7" NOMINAL DEPTH) |
| 4A | CONSTRUCT CONCRETE WALKWAY ON TOP OF EXISTING CONCRETE (7" NOMINAL DEPTH) WITH INTEGRAL CURB WALL ON EAST SIDE |
| 5 | CONSTRUCT NEW STEPS PER DETAIL A, SHEET DT-01 - 7" RISE, 12" TREAD DEPTH, 5' WIDTH |
| 6 | FILL UNDERLYING VOID WITH SLURRY (2-SACK CLSM) |
| 7 | INSTALL 24" WIDE DETECTABLE WARNING, TERRACOTTA RED IN COLOR |
| 8 | CONSTRUCT SINGLE CURB PER MAG STD DTL 222, TYPE B - 10" HEIGHT, 20" BELOW GRADE |
| 9 | CONSTRUCT SEGMENTAL BLOCK CONCRETE RETAINING WALL, 30" HEIGHT |
| 10 | CONSTRUCT 6" WIDTH x 5" MIN HEIGHT CURB WALL ON EAST SIDE OF EXISTING STAIRS |
| 11 | CONSTRUCT CURB WALL, 6"W x 6"H ON EAST SIDE OF EXISTING WALKWAY |
| 12 | INSTALL CONTRACTION JOINT |
| 13 | INSTALL EXPANSION JOINT |
| 14 | CONSTRUCT 2" ROLL CURB PER MAG STD DTL 260 |
| 15 | CONSTRUCT STACKED CONCRETE RETAINING WALL USING SALVAGED CONCRETE PIECES, 2' WIDTH, SIMILAR TO EXISTING WALL CONSTRUCTION |
| 16 | ASPHALT REPAIR AREA (INCIDENTAL WORK), 12" WIDTH OR AS NEEDED |
| M | MATCH EXISTING |
| S | SAWCUT & MATCH EXISTING |
| P | PROTECT IN PLACE |
| A | ADJUST TO FINISHED GRADE |

| GENERAL NOTES | |
|---------------|---|
| 1 | STATIONING IS ALONG THE ESTABLISHED CENTERLINE OF THE STAIRS AND WALKWAYS AS SHOWN. |
| 2 | PROTECT IN PLACE ALL EXISTING HANDRAILS EXCEPT WHERE NOTED |
| 3 | REMOVE VEGETATION, BUSHES, & SMALL TREES WITHIN 3' OF THE WALKWAY AND STAIRCASE EDGES. PRUNE BACK ANY BRANCHES THAT OVERHANG ONTO THE WALKWAYS OR STAIRCASES AT LEAST 3' AWAY FROM THE EDGES (INCIDENTAL WORK). |
| 4 | EXISTING STAIRS AND WALKWAYS ARE FIVE (5) FEET WIDE UNLESS OTHERWISE NOTED. |

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SAN DIEGO ORANGE RIVERSIDE SACRAMENTO SAN LUIS OBISPO
SANTA CLARITA PHOENIX TUCSON LAS VEGAS DENVER

PROJECT NO: 7045
DRAWN/DESIGNED BY: K. ROECKNER
CHECKED BY: D. MILLER
DATE: 9/16/2024

KEYSTONE STAIRS RENOVATION PROJECT

TOWN OF MIAMI, ARIZONA

PLAN & PROFILE STAIRCASES N-O

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DRAWING NO. **PP-04**
SHEET NO. 9 OF 9

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